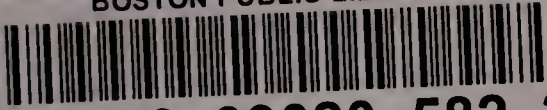


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OF THE
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FOR THE YEAR 1931.
IN FOUR VOLUMES.

VOLUME II.
CONTAINING CITY DOCUMENTS FROM NO. 14 TO NO. 41,
INCLUSIVE.

Published by Order of the City Council.



CITY OF BOSTON
PRINTING DEPARTMENT
1932

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ANNUAL REPORT
OF THE
HOSPITAL DEPARTMENT
FOR THE YEAR ENDING DECEMBER 31, 1930.

REPORT OF THE TRUSTEES.

BOSTON, January 5, 1931.

HON. JAMES M. CURLEY,
Mayor of the City of Boston.

SIR,— In compliance with the ordinances, the trustees of The Boston City Hospital present the following report of its condition for the year ending December 31, 1930.

This is the sixty-seventh annual report of the Hospital Department which consists of the Main Hospital, the South Department for contagious diseases, the Sanatorium Division, the Haymarket Square Relief Station, the East Boston Relief Station, the Convalescent Home in Dorchester and the West Department. The report of the Sanatorium Division is published in a separate volume.

The Board of Trustees was organized on May 14, 1930, by the election of Mr. Joseph P. Manning as president and Dr. Henry S. Rowen as secretary.

In May, Mr. Carl Dreyfus was reappointed to the Board of Trustees for the term ending April 30, 1935.

EXPENDITURES.

The total expenditures for all departments of the Hospital, excepting the Sanatorium Division, during the fiscal year were \$2,898,362.15. Of the total operating expenses \$2,172,178.35 was expended upon the hospital proper and its subdivisions; \$227,616.10 on account of the Out-Patient Department; \$327,376.09 on account of the South Department; \$92,819.30 on account of the Haymarket Square Relief Station; \$46,686.87 on account of the East Boston Relief Station; \$21,884.33 for the Convalescent Home and \$9,801.11 for the West Department. Of the amount spent on Pathological Laboratory, \$51,179.80, \$44,014.63 is included in the hospital proper expenditures, \$2,047.19 in the Out-Patient Department, and \$5,117.98 in the South Department expenditures. The entire amount spent on the Thorndike Memorial Laboratory, \$82,784.04, is included in the hospital proper expenditures. Of the total amount spent on the X-Ray and Photographic Department, \$85,790.42, \$44,611.02 is charged to the hospital proper and \$41,179.40 to the Out-Patient Department. Of the total amount spent on the Department of Physical Therapeutics, \$25,140.12, \$4,776.62 is charged to the hospital proper and \$20,363.50 to the Out-Patient Department. Of the amount spent on the Department of Immunology, \$6,006.07, \$240.24 is charged to the hospital proper and \$5,765.83 to the Out-Patient Department. Of the amount spent on the Clinical Laboratory, \$11,077.44, \$9,083.50 is charged to the hospital proper and \$1,993.94 to the Out-Patient Department. Of the amount spent on the Blood Laboratory, \$2,459.49, \$1,475.69 is charged to the hospital proper and \$983.80 to the Out-Patient Department. Of the amount spent on the Department of Oral Surgery, \$2,016.91, \$645.41 is charged to the hospital proper and \$1,371.50 to the Out-Patient Department. Of the amount spent on the Department of Social Work, \$26,826.87, \$13,413.44 is charged to the hospital proper, \$13,011.03 to the Out-Patient Department and \$402.40 to the South Department. Of the amount spent in ascertaining the settlement of patients, \$2,364.10, \$2,222.25 was spent on the hospital proper and \$141.85 on the South Department.

In Table No. 2 the expenditures on the hospital proper and the South Department are combined under the title "Main Hospital."

The methods of obtaining the per capita costs in the various departments are shown in Tables No. 1 and No. 2 of the Superintendent's report. From the total operating expenses are deducted the increase in stock on hand at the end of the year over that at the beginning of the year (or the decreases are added, as the case may require). There is also deducted the cost of permanent improvements and other extraordinary expenditures (construction of film storage building, painting Drown House; relocating and installing fire lines in Nurses' Home; installing fire escapes for Wards F, G and H; granolithic walk and catch-basins for Surgical and Maternity Buildings; iron netting on side and front of Burnham Building as protection against birds; boiler platforms and ladders in Power House; Blackburn-Smith feed water filter; light-proof room in Pathological Laboratory; lead X-ray booth; sheet shelving in place of wooden in a laboratory; electrocardiograph control conduits and wires to connect electrocardiograph system in Medical Building with recorder in Burnham Building; electric refrigerator for Diet Kitchen; new transportable electrocardiograph; lights in Surgical Research Laboratory; electricity in Convalescent Home; new water heater in Haymarket Square Relief Station; chain fence at West Department). This gives the amount properly chargeable to maintenance. This cost of maintenance is divided by the number of days' board given ward patients or the number of visits of out-patients, to obtain the per capita cost per patient.

The per capita cost at the hospital proper was \$5.64 per day for ward patients; at the South Department, \$4.96, but taking the hospital proper and the South Department together, the per capita cost per ward patient was \$5.54. At the Convalescent Home, the per capita cost per patient was \$3.83 per day. The cost of out-patients per visit was \$0.64 at the hospital proper, \$2.84 at the Haymarket Square Relief Station and \$1.31 at the East Boston Relief Station. The cost of uncooked food supplies for the hospital in all its departments has been \$4.80 per person per week or \$0.69 per day.

PAYING PATIENTS.

During the past year there has been collected for the care and treatment of patients of all classes excepting those at the Sanatorium Division the sum of \$201,753.77, itemized as follows: There was received from the Commonwealth of Massachusetts for the board of patients at the hospital proper, \$27,304.95; from various cities and towns for hospital proper, \$20,745.48; collected at the Superintendent's Office, on account of private room, ward and Out-Patient Department paying patients, \$120,564; of which \$14,311.20 was from insurance cases; for board of paying patients at the South Department, \$4,758.07; on account of ward and Out-Patient Department paying patients at the Haymarket Square Relief Station, \$4,017.38, of which \$1,904.14 was from insurance cases; on account of ward and Out-Patient Department paying patients at the East Boston Relief Station, \$363.49, \$182.57 of this being from insurance cases. There was also collected in all departments, \$5,218.03 on account of insurance cases, \$1,746 of this being from X-ray cases, \$3,438.03 being from clinical record fees, and \$34 from physiotherapy cases.

There has also been collected for the hospital by the Health Department, for the care of contagious cases at the South Department, and paid to the City Collector the additional sum of \$18,782.37. \$95,524.84 of the income from paying patients was collected by the Overseers of the Public Welfare. The revenue was increased \$9,654.50 by X-ray charges; it was increased \$8,968.75 by physiotherapy charges. It was also increased \$44,542.07 by out-patient treatment, removal of tonsils and adenoids, electro-cardiograms, skin treatment, issuing of *ex-officio* statements, fees for insulin, gold sodium treatment, record fees and payment of nurses' board.

A table showing the revenue received from paying patients, interest on trust funds, sale of old material and other sources, will be found on page 5 of the Superintendent's report.

The following is a tabular statement of the income from paying patients:

	Hospital Proper.	South Department.	Haymarket Square Relief Station.	East Boston Relief Station.	All Departments.	Totals.
Collected at the Hospital:						
From the state.....	\$27,304 95					\$27,304 95
From cities and towns.....	20,745 48					20,745 48
From ward and private room patients:						
Miscellaneous cases.....	89,707 55	\$4,758 07	\$1,821 24	\$174 92		96,461 78
X-ray cases.....	7,610 50		292 00	6 00		7,908 50
Physiotherapy cases.....	8,934 75					8,934 75
From insurance cases:						
House cases.....	13,861 20		284 14	4 57		14,149 91
Out-patient cases.....	450 00		1,620 00	178 00		2,248 00
X-ray cases.....					\$1,746 00	1,746 00
Record fees.....					3,438 03	3,438 03
Physiotherapy.....					34 00	34 00
Totals.....	\$168,614 43	\$4,758 07	\$4,017 38	\$363 49	\$5,218 03	\$182,971 40
Collected by City Collector for contagious cases.....		18,782 37				18,782 37
Totals.....	\$168,614 43	\$23,540 44	\$4,017 38	\$363 49	\$5,218 03	\$201,753 77

HOSPITAL BUILDINGS, PLANS, ETC.

Two appropriations, each \$180,000, have been granted for plans, sketches, architects' fees, etc., for new buildings. The money expended from these appropriations has been used in connection with alterations to Nurses' Home, Power Plant and South Department, also for new Surgical Building, Maternity Building, House Officers' Building, Medical Pavilion and Administration Building.

A statement of this appropriation follows:

Original appropriation	\$180,000 00
Additional appropriation	180,000 00
	\$360,000 00
Expended through December 31, 1930 . . .	219,380 75
Balance on hand, January 1, 1931 . . .	<u>\$140,619 25</u>

ADMINISTRATION BUILDING.

February 9, 1930 appropriation (inside debt limit)	\$210,000 00
February 9, 1930 appropriation (outside debt limit)	210,000 00
Appropriation	\$420,000 00
Expended through December 31, 1930	225,501 79
On hand January 1, 1931	<u>\$194,498 21</u>

Contract awarded to Matthew Cummings Company for erection and completion of Administration Building. This building is now well on the way to completion. Extension of time for completion has been granted to May 15, 1931.

NEW ADMINISTRATION BUILDING, FURNISHING AND EQUIPPING.

On December 16, 1930, an appropriation of \$40,000 was granted for furnishing and equipping New Administration Building which doubtless will be opened in the spring. (No expenditures, 1930.)

SOUTH DEPARTMENT BUILDING, REMODELING, ETC.

On February 5, 1930, an appropriation of \$80,000 was granted for miscellaneous alterations to South Department. On August 26, 1930, the contract for this work was awarded to John Bowen Company. It is expected that this contract will be completed in the early spring.

Appropriation (inside debt limit)	\$40,000 00
Appropriation (outside debt limit)	40,000 00
	<u>\$80,000 00</u>
Expended in 1930	29,479 70
Balance on hand January 1, 1931	<u>\$50,520 30</u>

POWER PLANT IMPROVEMENTS, ETC.

Appropriation of \$43,000.

On December 31, 1929, contract of Ames Iron Works for installation of engine generator set in Power Plant. Contract completed and accepted May 27, 1930.

Appropriation	\$43,000 00
Expended through December 31, 1930	40,248 19
Balance on hand January 1, 1931	<u>\$2,751 81</u>

NEW SURGICAL BUILDING.

Account of the appropriation granted for erection of the Surgical Building which was opened in 1928:

Appropriation	\$679,500 00
Expenditures	634,209 31
	\$45,290 69
Transferred to House Officers' Building	\$1,576 90
Loan order rescinded	34,500 00
	36,076 90
On hand January 1, 1931	<u>\$9,213 79</u>

SURGICAL BUILDING, FURNISHING AND EQUIPPING.

Balance on hand January 1, 1931	<u>\$2,110 58</u>
---	-------------------

(No expenditures 1930).

MEDICAL PAVILION.

Appropriation	<u>\$766,289 53</u>
Balance on hand January 1, 1930	\$446,480 78
Expended to December 31, 1930	360,226 10
Balance on hand January 1, 1931	<u>\$86,254 68</u>
Building completed and accepted by Trustees May 31, 1930.	
Total expended on buildings exclusive of architects' fees	<u>\$680,034 85</u>

NEW MEDICAL PAVILION, FURNISHING AND EQUIPPING.

Appropriation	\$70,000 00
Expended through December 31, 1930	61,679 65
Balance on hand January 1, 1931	<u>\$8,320 35</u>

CHILDREN'S PAVILION.

On February 5, 1930, a loan appropriation of \$324,000 was granted, and on May 20, 1930, another of \$248,000

was granted for erection and completion of Children's Pavilion, making a total appropriation of \$572,000. Plans for this are well under way and bids will probably be advertised early in the coming year; \$176.15 has been expended for test borings in connection with this building, leaving a balance unexpended of \$571,823.85.

LAUNDRY BUILDING.

On February 5, 1930, an appropriation of \$174,000 was granted for erection and completion of new Laundry Building. Preliminary plans for this are now being made and bids will probably be advertised during the coming year.

REMODELING OLD WARD N BUILDING.

An appropriation of \$30,000 was granted on October 23, 1929, for remodeling Old Ward N Building, but as yet nothing has been done towards carrying out the original plans.

FILM STORAGE BUILDING.

On June 3, 1930, a contract was awarded for the erection and completion of a new Film Storage Building.

The cost of this, including architects' fees, was \$7,617.49. This expenditure was paid from regular hospital appropriation.

A. SHUMAN MEMORIAL BUILDING FOR CONVALESCENT MEN.

To the \$100,000 bequeathed by the late Abraham Shuman, \$4,869.64 has been added to January 1, 1931, making the total amount available on that date \$104,869.64.

SANATORIUM DIVISION.

New buildings and additions and equipment and furniture.

May 22, 1928 loan appropriation	.	.	.	\$1,400,000	00
February 5, 1930, additional	.	.	.	450,000	00
				\$1,850,000	00
Expended through December 31, 1930	.	.		1,609,744	64
Balance on hand January 1, 1931	.	.	.	<u>\$240,255</u>	<u>36</u>

This appropriation has been used for Men's and Women's Open-Air Ward Buildings, Nurses' Home, Admission Building, Kitchen and Dining Room Building and Power Plant. The two latter buildings are not yet completed. Also for installation of automatic sprinkler piping and equipment in connection with the foregoing.

Work on construction of a new roadway at Sanatorium Division has been planned and it is expected that the contract for this will be awarded early in the coming year as bids have already been advertised.

OUT-PATIENT DEPARTMENT.

The great development of out-patient or dispensary service has come within the last fifteen years. The dispensary is assuming an increasingly important role in the treatment and management of disease. The Out-Patient Department of the Boston City Hospital has grown from nine clinics to twenty-four clinics at the present time. In 1924 the average number of visits was six hundred a day. At the present time the average number of visits is eleven hundred a day. The monthly statistical sheets show that the new patients constitute less than 10 per cent of the total amount. This is the yardstick by which dispensary service is measured. The great numbers of patients who constantly use the Out-Patient Department in times of illness, and continue to so use it for subsequent illnesses, demonstrate their complete satisfaction and confidence in the work being done here.

The Boston City Hospital has been a pioneer in most of the new dispensary movements. It has demonstrated beyond the question of doubt the value of the unit system of records. Despite the belief which existed up to a few years ago that the appointment system was not feasible in large general surgical and medical clinics, it has been demonstrated that not only are they feasible, but that they are indispensable to the highest and most efficient clinic management.

The marked improvement in Staff attendance has proven the value of the time clock and the influence of the special Out-Patient Committee.

Distinct advancement has been made in the instruction of pupil nurses, and it would be impossible to overestimate the many-sided contacts which the modern out-patient department offers for nurse instruction.

Precision in organization and management has made possible a more exact and comprehensive method of undergraduate medical school instruction. Post-graduate medical teaching has many opportunities in an organization similar to ours. It would be interesting to quote from the report of the Social Service worker in the medical clinic: "The physical examination of the patient coming to this clinic today is as near a finished piece of work as it is possible to get, and the time, patience and study expended on each individual can only be appreciated by the closest association."

The Unit System of records having been successfully established in the routine of the Out-Patient Department, it was decided to organize a similar system for House records. The Record Committee met frequently during the summer and designed the new record forms. These sheets are $8\frac{1}{2}$ inches by 11 inches and are held together by an Acco fastener. Since the record room in the new Administration Building was not finished, it was decided to start the new system in the Out-Patient record room. On November 1, 1930, the Neuro-Surgery and Nerve records were placed on this system, under which a patient's complete history is filed in one folder under one number. The Out-Patient and House histories are never permanently filed together. On the patient's admission to the Hospital all his previous House and Out-Patient histories are sent to the ward. When he is discharged, his Out-Patient history returns to the Out-Patient record room and the House history returns to the House record room. If the House history is desired in the Out-Patient clinic, it is ordered from the House record room by the House number which appears on the Out-Patient record sheet.

It is the hope of the Committee that at the conclusion of another year they will have organized the records of the whole Hospital on this Unit System.

MEDICAL AFTERNOON OUT-PATIENT CLINIC.

The Medical Afternoon Out-Patient Clinic has continued to function three times a week from 1.30 to 4.30 p. m. during the year. On an average there have been three or four physicians on duty with four or five medical students acting as clerks.

The clinic has grown considerably during the year. Patients with various forms of anemia have been studied

by Doctor Castle, Doctor Beebe and Doctor Strauss. Similarly, a group of patients with certain neoplastic conditions were taken care of by Doctor Jackson, Doctor FitzHugh and Doctor Rinehart. In addition, a new special clinic for the care of patients suffering from leukemia has been started by Dr. Claude Forkner. The Friday afternoon special clinic is conducted by the house physician of the Fourth Medical Service for patients who return after discharge from that service.

Patients treated in the special clinic are received from the morning Medical and Neurological Clinics; but a considerable per cent of the patients this year were sent from the Dermatological, Surgical and other clinics. During the year 779 patients were treated, and the number of visits was 1,629.

The expectation attached to the establishment of this clinic has been fulfilled, as this clinic serves individuals with the first signs of disease. Here contacts are made which stimulate investigations pertaining to the prevention of progressive disease. In that sense, the afternoon clinic is a small but significant unit which deals with public health problems.

MEDICAL DEPARTMENT.

The Medical Services treated a total of 7,592 House Patients and 14,195 out-patients during the year 1930. These out-patients made a total of 29,380 visits to the Hospital for treatment.

SECOND MEDICAL SERVICE.

In general the plan of ward visiting and teaching is the same as heretofore. Two separate visits are made each day, one a routine ward visit, the other a teaching visit. In this way, both patients and House Staff receive a maximal amount of attention from the Visiting Staff. The Second Medical Service is now doing its full share of teaching and is giving satisfactory service to both students and House Staff.

Repairs are now in progress in the ward laboratories, which will make these laboratories much more efficient. The one big problem remaining is the lack of facilities for doing basal metabolism tests. Attention is invited to this problem.

The question has been asked, in an institution like the City Hospital, is the work of the House Staff better

done and does the patient receive better care as a result of improved physical facilities, new equipment, secretarial help, etc.? Our answer is an unqualified "Yes." We believe the patient is the gainer, and this is a sign of real progress.

Doctor White's supervision and advice regarding gastro-intestinal cases on this service is of great value to the Staff and the students.

THIRD MEDICAL SERVICE.

During the year 1930 the Third Medical Service treated 1,735 House cases. The service has also been used extensively for teaching purposes for Tufts College Medical School, both for demonstration of cases by the visiting men and the teaching assistants, and also for actual work done by the fourth-year students themselves acting as clinical clerks. The various members of the Visiting Staff on this service have addressed different medical societies as recorded on another page of this report. At the present time research work is being carried on regarding rheumatic pneumonia. Vaccine treatment of pneumonia and variations in blood pressure with special reference to hypertension.

The First Medical Service is nominally connected with the Third Medical Service for teaching purposes in Tufts College Medical School. The two services combined teach second, third and fourth-year students. There are from fifteen to twenty fourth-year students continuously at work on the wards. Besides this, the two services take care of twelve third-year students each day on the wards and on one day a week about thirty-six second-year students receive instructions there. Three days a week one or two cases are taken from the wards to the Thorndike Amphitheatre for the purpose of clinical demonstration.

The new Medical wards have proved to be ideal both for clinical work and also for teaching. Not only are they splendidly equipped both for the care of the patients and also for scientific work, but, furthermore, it has been possible to obtain supplies and equipment with the minimum amount of delay. Everything which has been needed by the service has been provided without question. The personnel of this service greatly appreciate the facilities which they now have for their work and are very grateful for them.

FOURTH MEDICAL SERVICE.

The past year has been one of considerable change in the general organization of the visiting staff and methods of conducting the ward work. Year by year the work of the resident staff has become more complicated and exacting. The actual number of patients admitted during recent years has steadily increased (1925, 1,307; 1926, 1,430; 1927, 1,558; 1928, 1,657; 1929, 1,831). As a result of these increased demands, an additional house officer was appointed in the fall of 1929.

A similar need for increase in the visiting staff has long been obvious, and, during the year, a new schedule of visiting has been put in practice. The service is divided into two essentially equal divisions, *i. e.*, male and female wards, with a schedule of visiting which provides for the year. Two senior visiting physicians are on duty at the same time, each in charge of a division, and, in turn, assisted by a junior member of the staff who visits on the alternate days.

As a teaching service, the needs of equipment for teaching and for the routine care of the patient cannot be separated, since the interest to the two are common. There has been a constant handicap, due to somewhat inadequate facilities for laboratory work and space for conferences adjacent to the wards.

Through the generous cooperation of the Superintendent and Trustees, this condition is to be remedied. Plans have been accepted for renovation and remodeling of the Burnham Building which will not only insure better care of the patients but inevitably make for a greatly improved morale on the part of the staff.

During the year, several medical papers have been published by members of the visiting staff. They are listed with the bibliography of the Staff published in this volume.

The greatly augmented number of cases treated this year in comparison with those of previous years, the very satisfactory equipment now being provided, and the adequate house staff, affords every opportunity for the study of clinical problems on the wards. The extraordinary development of so-called laboratory research throughout the country during the past twenty years has had the effect of materially diminishing the interest in so-called clinical studies. This result is

unfortunate, since research work in a hospital should bear a direct or indirect relation to clinical problems. The fact that the Fourth Medical Service is intimately related to the Thorndike Memorial Laboratory has permitted the recent problems studied by the Thorndike Memorial Laboratory Staff to be of a practical clinical sort. The fact that daily the wards are visited by a member of the Research Laboratory infiltrates to the service the spirit of inquisitiveness and investigation. It is important, however, to increase the study of patients by encouraging each man associated with the service to study some phase of disease at the bedside.

Some of the men associated with the Fourth Service, not officially connected with the Thorndike Memorial Laboratory, are making intensive studies of patients, for example, Doctor Stetson's studies of diabetics; Doctor Reynold's observations on the social problems in relation to disease; Doctor FitzHugh's observations on chronic arthritis.

FIFTH MEDICAL SERVICE.

In the latter part of September, 1930, the Fifth Medical, or Boston University Service, was established, with Dr. John A. Foley in charge; the Visiting Staff consisting of Doctors John A. Foley, Dwight O'Hara, William T. O'Halloran, Norman A. Welch and Bernard I. Goldberg.

The house officers and residents began service on October second. Ward J and half of Ward L were given to the service for a year.

From the opening of the service through December 31, 322 patients were treated.

GRADUATE TEACHING.

The progress in graduate teaching at the Hospital has been very gratifying. This is due to our extensive clinical material and to the whole-hearted support of the medical staff. It is probable that soon this Hospital will become the leading place for graduate teaching in the community.

The graduate teaching during the summer months was as follows:

A course given by Doctor White and Doctor Robey, Wednesday morning during June and July. This course was well attended and became so popular that

as a result of a general request, the course was offered throughout the year beginning in October.

A course in Gastro-Intestinal Diseases, mornings of one month given by Dr. Percy B. Davidson. This course also was well attended and popular.

A course in General Medicine given throughout the day during the month of August, under the general direction of Doctor Ohler. This course was offered for the first time this year. It proved to be so successful that it will not only be offered for another summer, but may be extended to include two months.

Graduate teaching was continued during the fall and winter months.

All graduate teaching is conducted through the Graduate Department of the Harvard Medical School. As a sort of liaison officer between the School and the Hospital, the School has appointed Doctor Ohler to have general charge of details connected with the actual teaching.

SURGICAL DEPARTMENT.

The Surgical Department treated 9,391 ward patients and 30,399 out-patients during the past year. These out-patients made 95,198 visits to the Hospital. Beside these, there were 13,941 accident cases treated; these accident cases made 17,926 visits to the Hospital.

FOURTH SURGICAL SERVICE.

The Fourth Surgical Service has been conducted satisfactorily and the results seem the same as in previous years. There is unity of cooperation. The relationship between the patients and the personnel of the service has been improved, the desire being to care for the patients as well as if they were private patients.

FIFTH SURGICAL SERVICE.

A report of the activities of the Harvard Surgical Teaching Service for the year 1930 follows:

Progress during the first half of the year was impeded by the discussion of the future policies of the service. During this period the care of the patients did not deteriorate in quality; this demonstrates the loyalty of the members of the Service to the Hospital and its primary purpose. Instruction in Fourth-Year Surgery continued in a satisfactory manner. Doctor Walker

has assumed full responsibility for surgical teaching of Harvard Medical School students in this Hospital. Eighteen colleagues are associated with him in teaching. Dr. Stanley J. G. Nowak, a full time teacher, is affiliated with the service as Associate in Surgery. Dr. Robert Aldrich, Resident Surgeon, also an enthusiastic teacher, has brought to us ideas from Johns Hopkins Medical School.

The quality of the house officers, as demonstrated by their work, is excellent.

Features of progress on this Service now under way are as follows:

A study of the mortality in acute appendicitis for the years 1907 to 1910, inclusive, as compared with that for the years 1927 to 1930, inclusive. This is a rather extensive study which will take several months to correlate.

Doctor Cochrane is most successfully solving the problem of the surgical treatment of thyroid disease as applied to this Hospital.

Doctor Nowak is interested in the study of post-operative pulmonary complications, with the idea of prevention and treatment. This subject is one that is interesting surgeons throughout the country at the present time.

The health of house officers in this Hospital, and especially those affiliated with the Harvard Surgical Teaching Service, has been a cause of worry on account of the fact that pulmonary tuberculosis is not uncommon among these men. As a consequence, with the cooperation of Dr. Soma Weiss, we are having periodical examinations of each house officer on the Service. Their histories and physical findings, together with X-rays, will constitute a permanent record of house officers.

This study should sooner or later be extended to all the house officers of the Hospital.

Endeavors toward raising the percentage of *post mortem* examinations on the Service has yielded results. This Harvard Service has the highest percentage of autopsies of any service in the Hospital during the year.

The future of this Service as a teaching and investigative unit, and as an example for the other surgical services, is most important in the development of the Hospital. This Service enlarged in size and scope should be seriously considered as a potential Surgical

Unit in the plans of the Surgical Building Program. It should be comparable in its purpose to the Thorndike Memorial and the Neurological Unit.

SIXTH SURGICAL SERVICE.

The Sixth Surgical Service has had a very successful year on the whole. The House work has gone along very satisfactorily and all of the staff have performed their work efficiently.

There is no change to be noted except that we have established follow-up clinics in the Out-Patient Department, and also a fracture reference clinic in the Out-Patient Department. These have been put under special jurisdiction of a group of the younger members of the staff, Doctors Cotting and Sullivan, and with them a temporary appointee, Doctor Peterson, whom we hope to have presently permanently appointed. Doctor Cotton's personal clinic on Friday mornings has been continued.

We have one rather serious trouble. It is questionable whether or not our present plan of providing house officers is going to work.

It is evident that we must have a different arrangement; either the taking of men in from the outside for long service, which would probably accent the strict orthopedic slant of the service (which has not been our desire), or we can make this service a rotating part of the training of all surgical house officers. At present the latter seems preferable.

SURGICAL RESEARCH.

When the laboratory was turned over to Doctor Maddock on July 1, 1930, it was necessary to select and procure sufficient and adequate apparatus for carrying out a research program. Rigid economy was practised and very little money spent for furniture, tables and cabinets. It was found possible to adapt various discarded or unused articles in the hospital, and with hammer, saw, and a little paint to make very presentable laboratory furniture. Much of the scientific equipment had to be purchased, but the director was able to furnish several hundred dollars' worth of apparatus personally.

The laboratory began functioning in October, but throughout the fall the work of securing equipment

continued. In November, Dr. Frederic J. Cotton suggested that the laboratory institute the production of sterile maggots for the treatment of cases of chronic osteomyelitis. The director spent several days in Baltimore studying Doctor Baehr's methods. In December we began treating several cases, which have since been discharged from the Hospital with very satisfactory results. At present there are three cases under treatment in the Hospital. It is impossible to judge on the basis of our own small series of cases how valuable this method of treatment may become, but in the light of Doctor Baehr's several years' experience it is probable that it offers more consistently good results than any of the other forms of treatment. Whatever the final outcome may be, it is undoubtedly good to feel that this hospital is the first one in Boston, indeed in New England, to seriously attempt to make use of this ingenious procedure.

During the winter, my associate, Dr. Stanley J. G. Nowak, has been working on spinal anesthesia. As you all know, spinal anesthesia is of great value in many conditions, but is subject to the great drawback that a certain percentage of the patients die suddenly and mysteriously while under its influence. There has been very little attempt made to determine by actual experiment the cause of these deaths. It is probable that study of the fundamental physiological laws concerning spinal anesthesia will yield the same dividends in human life that better knowledge of the inhalation anesthetics did in the decades which followed their introduction.

Doctor Binney and the director are working on a physiological study of the underlying causes of death in operations on the root of the lung.

In conjunction with Dr. Charles C. Lund a series of patients suffering from cancer have been studied with the idea of finding out whether the glucose tolerance test is of any value as an early diagnostic procedure.

The director is continuing researches on problems which were begun prior to last July, on the total removal of the liver, and on the absorption of glucose from the alimentary tract. Much of this work is nearing completion. The director is also beginning work on a method of carrying out surgical operations on the *foetus in utero*. This field is extremely promising for the study of the effects of removal of various glands of

internal secretion, particularly the thyroid. It is to be hoped that it will be possible to produce cretin animals comparable to human cretins by this method.

The laboratory is also attempting to study rare and unusual cases which appear on the wards. Recently a very thorough study was made of a case of acute yellow atrophy of the liver, which was confirmed at autopsy. In this instance the diagnosis was made two days before death, on the basis of our blood chemistry findings. This case will be reported in detail shortly. This hospital offers unusually good opportunity for work of this type because of its widely varied clinical material.

The laboratory is in need of space, technical help, and money. Last summer the laboratory seemed large and commodious, but a few months of actual work has shown that even with our present staff the quarters are cramped. If the members of the clinical staff continue to interest themselves in problems, we will be forced to refuse them the opportunity of working, or stop our own activities. The Superintendent has promised to let us take over the quarters of the record rooms as soon as the new Administration Building is completed, so that the problem of space can be solved without any additional expense.

During the past winter we have had the services of two very capable young women, who have acted as voluntary assistants. One of these has spent almost all of her time raising maggots and taking care of the flies. If we are to continue with this work, her services are indispensable. The other voluntary assistant has been helping Doctor Nowak and myself as a physiological technician. She is now well trained and would be difficult to replace.

The financial needs of the laboratory have been stated in the budget for this year. Despite every effort to economize, research work proves to be expensive. We have not yet obtained all the items requested in the original list of equipment submitted to this board. Some of these we have been able to borrow, but it will be necessary to purchase a few more pieces of apparatus as soon as our new budget is made available. All of the equipment which we have or which is still to be obtained will be usable for years to come, and can be moved into a new building at any time the quarters are available.

The director wishes to thank the Board of Trustees and Doctor Dowling for the fine spirit of cooperation which has been shown in the establishment and fitting out of the laboratory. It is the hope of the laboratory staff that the output of the unit will be worthy of the expenditure which the hospital has made.

NEUROLOGICAL DEPARTMENT.

During the past year the new wards have been opened and the patients and laboratories have been moved into the new Medical Building. This has enlarged the scope of the department and given the Staff the chance to expand and to improve work, for which they have been waiting for five years. The new quarters are extremely good and the Staff wish to express their gratitude to the Trustees and to the Superintendent who have made this great improvement possible.

Until the end of August the work went on as before on Ward J with a few patients on Ward L. Then, during the last week of August, the move was made into the new building. Here the Neurological Service joined forces with the Neurosurgical Service. This amalgamation has led to a great improvement in the treatment of the cases, especially those that need operation.

As usual, a large part of the work of the Neurological Service has been the consultation work. During the period from September 1, 1930, to January 1, 1931, the number of cases as listed below were seen in consultation officially by the Neurological Resident Physician. Most of these cases were reviewed by a member of the visiting staff of the Neurological Unit.

For the	Cases Seen.
First Medical service	49
Second Medical service	96
Third Medical service	33
Fourth Medical service	46
Fifth Medical service	14
First Surgical service	11
Second Surgical service	12
Third Surgical service	7
Fourth Surgical service	9
Fifth Surgical service	5
Sixth Surgical service	3
Neurosurgical service	4
<i>Carried forward</i>	289

For the	Cases Seen.
<i>Brought forward</i>	289
Gynecological service	5
Obstetrical service	5
Aural service	1
Pediatric service	3
Total	<u>303</u>

In addition to the above cases a considerable number of cases have been briefly and unofficially seen for the above services for cooperation concerning lumbar punctures, the diagnosis, care and disposal of medical and surgical cases that had neurological and psychiatric complications.

There is also a large amount of purely psychiatric work. During the period from September 1, 1930, to January 1, 1931, the following cases have been committed:

- (a) To the Boston Psychopathic Hospital 28
- (b) To the Boston State Hospital 46
- (c) Numerous cases have been advised to go to other municipal hospitals, Long Island, Pondville, Mattapan, Bridgewater, Monson State Hospital, etc.

As Doctor Cobb wrote to the Superintendent about a case of suicide on November 14, it is important that the Neurological Service be called in on all of these patients who have an abnormal mental state, and it would seem extremely important that there be some small ward where these acutely disturbed patients may be treated in the Hospital. It is usually argued that these patients may be immediately transferred to the appropriate mental hospital, but, as a matter of fact, there are always a small group which are kept in the Hospital for one reason or another and unless there can be arranged a small psychiatric ward, there will always be a great risk of accident of these cases.

It is apparent that the report of the Cerebrospinal Fluid Laboratory shows a great advance in the work on spinal fluids. This means an important advance in the diagnostic methods of the hospital.

The Neuropathological Laboratory, although carrying on a majority of research work, still does important clinical work. The most important part of this is the immediate diagnosis of pieces of brain tumor removed at operation. This only emphasizes the fact that the treatment of patients and the research work go hand in

hand and are really indivisible. It is impossible, therefore, to divide the expenses of the one absolutely from those of the other. There will always have to be a reasonable compromise between the school and the Hospital on these expenditures.

REPORT FROM THE CEREBROSPINAL FLUID
LABORATORY.

		Average per month.
Work done on cerebrospinal fluids:		
From October, 1927, to December 31, 1927:		
Total number received	215	18
Total number of determinations	505	
Total number from nerve service	114	
50.7 per cent of the cases from the nerve service.		
For the year 1928:		
Total number received	744	62
Total number of determinations	1,813	
Total number from nerve service	366	
49.2 per cent of the cases from the nerve service.		
For the year 1929:		
Total number received	1,230	102
Total number of determinations (not counted).		
Total number from the nerve service	567	
46.1 per cent of the cases from the nerve service.		
For the year 1930:		
Total number received	2,050	171
Total number of determinations	5,105	
Total number from the nerve service	559	
27.26 per cent of the cases from the nerve service.		

This report shows that the number of spinal fluids sent to the laboratory each month has increased steadily. In 1927, when the laboratory was started, the average number per month was 18; in 1928 it was 62; in 1929 it was 102 and in 1930 it was 171. During 1930 over 2,000 fluids were received, and upon these fluids more than 5,000 individual determinations were made.

During the years 1927 and 1928, half the spinal fluids received came from the Neurological Service. During 1930, in spite of the enormous increase in the total number of fluids received, less than one-third came from the Neurological Service, while, 1,490 fluids were received from the various Medical, Surgical and Special Services in the Hospital.

This reflects the need for such a cerebrospinal fluid laboratory, the increasing interest in the examination of

cerebrospinal fluid throughout the Hospital and the service which this laboratory renders to the Hospital as a whole.

NEUROPATHOLOGY LABORATORY.

The work of this laboratory may be conveniently divided into three classes:

1. Tissue of the nervous system is prepared for microscopic study for the various investigators of this department whose researches have neurocytological aspects.

2. Interesting or obscure cases from the Neurological Service that have subsequently died and come to autopsy are studied in an attempt to verify or explain their baffling symptoms. Intracranial tumors removed at operation are diagnosed by supravital technique during the operation, thus enabling the surgeon to know the nature of the tumor and to fashion his procedure accordingly.

3. Several problems of investigation of an experimental or developmental nature are under way among which may be mentioned "The Anatomy of the Perivascular Space," "Running Fits in Dogs," and "The Evolution of the Myelin Sheath."

NEUROSURGICAL SERVICE.

Since March, 1930, when the Neurosurgical Service began to function, 172 patients have been admitted to its care. Of these, 115 were discharged, 18 died, and 39 remained in the Hospital on the first of January, 1931.

GYNECOLOGICAL AND OBSTETRICAL SERVICE.

During the calendar year of 1930 the two Services now constituting the Gynecological and Obstetrical Department have continued to function harmoniously, dividing equally between them the work of the two branches of the Service, coöperating in every way, and holding monthly joint Staff meetings as a single unit.

During this year 2,174 obstetrical cases were admitted to the House, an increase of 536 cases over the preceding year. In August the First Maternity Ward, which hitherto had been occupied by the Medical Service, was turned over to the Gynecological and Obstetrical Department. This increase in facility made it possible to care for the large increase in the number of cases noted. Of the 2,174 patients admitted, 1,986 were delivered of

2,005 babies, there being 19 sets of twins. Of these deliveries 1,378 were normal and 608 were operative. The total number of maternal deaths was 14, representing a percentage of 0.7. It is noteworthy that the months of June and September passed, each without a single maternal death. The total number of stillbirths was 71, representing a percentage of 3.5. Of the cases admitted to the House, 1,622 were referred from the Out-Patient Department and 552 came from various other sources.

A total of 1,884 Gynecological cases were admitted to the House, upon whom there were performed a total of 1,320 operations, of which 508 were major and 812 minor. The total number of deaths of Gynecological patients was 36. The month of October passed without a gynecological death.

In the Out-Patient Department the total number of new gynecological cases was 1,394 and the total of new obstetrical cases was 1,414. The number of visits made on new and old gynecological patients was 4,511. The number of visits on new and old obstetrical patients was 4,941.

Lectures to nurses have again been given by the Visiting Staff, thirty-six in obstetrics and eight in gynecology. The teaching of students has been continued for the Harvard Medical School and for the Tufts Medical School; but the internes from the United States Naval Hospital, Chelsea, were not sent to the City Hospital for instruction this year.

Dr. Joseph P. Cohen, who was on leave of absence for the first eight months of the year, returned to duty on September 1. Dr. Nathaniel R. Mason, Surgeon-in-Chief of the First Gynecological and Obstetrical Service, was on leave of absence throughout the year and at the close of December presented his resignation which, to the great regret of the entire Staff, it seemed inevitable to accept. Doctor Mason has voluntarily retired from our Service with the cordial affection, esteem and good wishes of all its members.

AURAL AND LARYNGOLOGICAL DEPARTMENT.

During the year 1930, 3,247 ward patients were treated in the Department for Diseases of the Ear, Nose and Throat, and 9,487 out-patients were treated. These out-patients made a total of 19,261 visits to the Hospital for advice and treatment.

OPHTHALMIC DEPARTMENT.

During the year 1930, the Ophthalmic Service treated in the Out-Patient Department 4,890 patients, who made 11,948 visits. The new cases treated were 3,903. The number of refractions was 3,391. There were 165 admissions to the House and 129 patients underwent operation.

DERMATOLOGICAL DEPARTMENT.

During the year, 25,644 visits were made to the Out-Patient Department by 5,258 patients. Of these 4,247 were new cases. Of the total number of visits, 12,512 were made by syphilitic patients, of whom there were 380 new cases. In other words about 9 per cent of the new cases were syphilitic and nearly half of the visits were made by them. Among the new cases of syphilis 142, or nearly 40 per cent, were in the primary or secondary stage, showing that the control of the spread of syphilis is still far from satisfactory. The work of caring for this large number of syphilitic patients is now so systematized that by shortly after 10 o'clock on each clinic day theluetie cases are all treated. In treating other skin conditions there has been an increasing use of quartz light and radium treatment, so that we urgently need more equipment along these lines. Again I would mention the need of an X-ray machine for therapeutic purposes in the skin department.

The house officers assigned to the department from the Fourth Medical Service have been uniformly of excellent calibre and seem much interested in the work. One of the graduate nurses assigned to the department was obliged to resign on account of sickness, which brings up the question of regular examination and treatment of house officers and nurses. Through the cooperation of the superintendent of nurses we have been very fortunate in having excellent graduate and undergraduate nurses attached to our department. The work of the Social Service has been excellent, but I think that the present worker is much overworked and should have an assistant.

The house service is still rather disorganized because of the fact that the patients are spread all over the hospital. With the assignment of students from the fourth year of Tufts Medical School throughout the school year, a good deal of careful laboratory and investigative work could be carried on in the skin service,

if we had our own ward and our own laboratory. I think this is the only service in the hospital which does not have its own laboratory. The laboratory is urgently needed for the special work in the study of dermatological cases.

PATHOLOGICAL DEPARTMENT.

The amount of work done in the laboratory the past year once again reflects the increased growth of the Hospital, but perhaps to a more marked degree than in the previous years. As concrete examples, 83 more autopsies, 448 more surgicals, 600 more bacteriological examinations, approximately 7,000 more diphtheria culture diagnoses and 3,000 more Kahn tests were carried out in 1930 than in 1929. Such a marked increase in the amount of work makes us realize more than ever the handicaps and limitations placed upon us by lack of proper space and equipment.

The clinical-pathological conferences have been an unprecedented success. The amount of material presented each month has been large in amount and much of it of unusual interest. Both the Staff, house officers and students have been constant in attendance and apparently appreciative of the opportunities presented. As an indication of the interest in these conferences and of their value, a group of physicians from Providence, R. I., have attended them.

The clinical laboratory has been moved and its former rooms are being converted into a photographic plant.

A paratyphoid infection appeared among our guinea pigs this autumn and assumed epidemic proportions, resulting in a loss of the majority of our animals. This has forced us to buy some guinea pigs and also makes us seriously consider the advisability of altering our practice of raising animals to buying them.

Doctor Mallory is continuing his work on cirrhosis of the liver, with especial reference to the experimental production of cirrhosis.

Doctor Parker in collaboration with Dr. Henry Jackson, Jr., is going on with his studies of diseases of the lymphoid and myeloid tissues.

Dr. G. K. Mallory is pursuing an investigation into the nature and origin of various pigments and means for their recognition.

Dr. T. T. Walker, who is visiting pathologist to Mattapan, is conducting experiments on tuberculosis and has already one paper in press and another in preparation.

WORK OF THE PATHOLOGICAL LABORATORY DURING THE YEAR 1930.

Autopsies	467
Surgical diagnoses	3,564
Clinical bacteriology, positive	1,613
Clinical bacteriology, negative	1,487
Blood cultures, positive	464
Blood cultures, negative	627
Guinea pig inoculations	187
Bacillus diphtheriæ, total	26,604
Bacillus diphtheriæ, positive	3,891
Wassermanns	4,366
Number of positives	1,795
Kahn tests	15,069
Positive Kahn	2,108

THORNDIKE WARD.

The ward of the Thorndike Laboratory offers something to American medicine that is not to be found elsewhere in the country. This clinical laboratory is situated in the midst of an institution in which there are patients with all sorts of disorders and thus many individuals, while serving to advance knowledge, receive themselves great benefits. It is thus possible to select from such large numbers of patients those individuals most likely to be benefited by special therapeutic procedures or whose observation may yield information of value from an experimental point of view.

The ward is, however, run as an adjunct to the laboratories for clinical investigation. The patients in the ward are primarily for special study. For this reason it is not possible nor desirable to manage the ward altogether as are the wards of the rest of the hospital. Without the fortunate provisions of the Trustees in assigning a head nurse with special qualifications, an expert dietitian, and a secretary for the care of the often voluminous records, the purpose of the ward would be thwarted.

In the interest of scientific accuracy the patients on the ward must in certain respects be governed by the strictest rules of treatment and care. This makes it important for the general atmosphere to be agreeable

and for any small attentions possible to be given. We believe this to have been accomplished and it has been gratifying to hear patients say on occasion that the ward is "like home" to them. This achievement of the management of scientific observations on the patients indicates that they appreciate the interest of the physicians and the solicitude of the nurses for their general welfare. It is dependent to a great extent upon the excellent coöperation that is given by the nursing and dietetic staffs.

The generosity of the Trustees in defraying the expenses of patients who are unable to pay for their care has made the necessary prolonged sojourn in the hospital possible and relieved them of the worry which would naturally arise were they retained here to their financial detriment. The fact that certain patients can remain here without loss of money to them makes all the difference between successful, carefully planned study and the apologetic type of clinical investigation that is done so frequently in many other places in America.

The routine of the ward and the number of patients has continued to be essentially the same as in the past two years.

THE THORNDIKE MEMORIAL LABORATORY.

Dr. George R. Minot writes as follows:

There is no question but that the work of the Thorndike Memorial Laboratory, Second and Fourth Medical Services and Afternoon Medical Out-Patient Clinic is recognized all over the world as indicated by the fact that numerous institutions have adopted certain measures modeled on those carried out here. The potential possibilities of developing the best medical unit in America, if not in the world, are at present at The Boston City Hospital. These opportunities for work are undoubtedly great, but would be strengthened by development of the other departments of the hospital as has occurred for the Neurological Unit. The artificial barriers between different fields of knowledge have handicapped American science and art. This inherited tradition is fortunately broken down and one of the ways that should lead to great advances in the future is the cooperative investigation of physicians, scientists and all types of scholars trained in different ways.

For example, in very recent years, important knowledge has been obtained by the joint studies of engineers and physicians concerning the prevention of disease and for enhancing contentment in industry, between chemist and clinician in the therapy of disease. Progress can be expected when there is a close contact of different types of physicians associated with complete units for various branches of medicine.

The continued rise of the Thorndike Laboratory is dependent primarily on the splendid work and ability of the late Doctor Peabody. It must never be forgotten that he established this clinical laboratory on a firm basis. Furthermore, it is recognized far and wide that the warm support of the Trustees of the Hospital and the Superintendent have contributed greatly to the success of the laboratory and its ever increasing activities.

Two undoubtedly internationally recognized advances in medicine have been made here within the year, namely:

1. Doctor Castle's progressive studies on a factor secreted by the normal stomach and absent under certain conditions independent of other gastric secretions. These observations have revolutionized thought regarding certain aspects of nutrition and are thus of deep significance.

2. Doctor Vaughan's and Doctor Muller's observations on the influence of blood-forming substances in pigeons. This work establishes for the first time a method of testing certain products in the laboratory.

Men from England, Austria, China and Denmark have worked in the laboratory during the past year which indicates the wide-spread interest in the Thorndike. This is likewise shown by the fact that members of the staff received their medical degree from ten different medical schools.

There remain many topics worthy of praise, but the trend of progress is set forth in this and the attached reports. Democracy has dragged in its wake social, economic, educational, institutional and political problems infinitely more perplexing than the relatively simple problems which its credulous crusaders undertook to solve. Practice can not be slowed down or halted; intelligence must, however, be accelerated. Our duty is to work cooperatively to benefit mankind.

Under the directorship of Doctor Minot, the following persons, who aid by supervising different phases of the laboratory work, have made a report:

Soma Weiss, M. D., Assistant Director, and in charge of the section for cardio-vascular disorders.

James M. Faulkner, M. D., in charge of subdivision of electrotherapy.

Robert N. Nye, M. D., and Wheelan D. Sutliff, M. D., in charge of the section for immunology, bacteriology and infectious diseases.

Henry Jackson, Jr., M. D., in charge of the section for cancer and allied disorders.

Francis H. L. Taylor, M. D., in charge of the subdivision, chemistry.

William B. Castle, M. D., Chester S. Keefer, M. D., and George R. Minot, M. D., in charge of the section for disorders of the blood, nutrition, etc.

DIVISION OF THE THORNDIKE LABORATORY CONCERNING DISORDERS OF THE BLOOD, NUTRITION AND ALLIED TOPICS.

Since the opening of the Thorndike Laboratory, studies of the diseases of the blood and blood forming organs have been carried on with ever increasing intensity. During 1930 no less than fourteen physicians were here mainly engaged in this study under the general supervision of the Director. This subject may now fairly be considered the major activity of the laboratory.

It is significant of the wisdom of the founders of the Thorndike Memorial that the building itself contains both laboratories and an investigative ward for the care and study of sick individuals, and that provision was made for intimate contact with the general wards of the hospital.

These conditions are particularly important, both because of the desirability of a large clinic from which to derive material for study and also because of the necessity of prolonged and careful observation under conditions of scientific accuracy. For the peace of mind of both investigators and patients, and for the sincerity of their relationship, the generosity of the hospital in frequently defraying the expenses of impecunious patients cannot be too gratefully emphasized. The ideal conditions which result from these factors make possible studies of blood disturbances which

would elsewhere be next to impossible. Investigations originating in the Thorndike Laboratory are being carried out, either here, upon patients transferred through the kindness of the members of the staffs of the Massachusetts General, Peter Bent Brigham and Beth Israel Hospitals, or actually in the wards of those hospitals. It is certain that the facilities at this hospital are now assuring productive activity.

The studies carried out by the various groups of workers are coördinated as far as possible by a weekly conference conducted by the director for the purpose of exchange of ideas, suggestions and criticisms. Under the actual supervision of Doctor Minot, types of investigation, both theoretical and practical, are being carried out and have yielded important results during the past year.

Following the discovery of the effectiveness of liver feeding in pernicious anemia by Doctor Minot and Doctor Murphy, collaboration with Dr. Edwin J. Cohn, the physical chemist of the Harvard Medical School, was begun for the purpose of discovering, if possible, the nature of the effective principle contained in liver, and for producing extracts of high potency and small compass for clinical use. During the past year the chemical problems of fractionation had reached such a degree of maturity that small amounts of highly purified substances could be injected intravenously with prompt and characteristic effects on the anemia of pernicious anemia patients. The substance is now three thousand fold as concentrated as in liver. Although so far no product has become commercially available for intravenous use, it is apparent that this possibility is now realizable and may be accomplished shortly. Indeed, experiments conducted by Doctor Castle in conjunction with Dr. F. H. L. Taylor in an effort to discover a practical means of producing such material have been begun.

Dr. Janet Vaughan and Dr. Gulli Lindh Muller, at the suggestion of Doctor Minot, have worked upon the effect of administering effective liver extracts to pigeons. The work was suggested by the previous extensive observations of Dr. Lindh Muller on the effect of diets on blood regeneration in the pigeon. Great credit is due to Doctor Vaughan for having demonstrated by these experiments a high degree of correlation between liver extracts effective in pernicious anemia patients

and in grain fed pigeons. The significance of this step is that it promises to give a simple test for the potency of liver extract which may render unnecessary the undesirable method of employing a patient as a test object. The method will therefore be of the greatest practical use in securing a supply of potent liver extract for the sufferers from pernicious anemia.

In addition to these studies, Doctor Vaughan made careful observations of the striking changes in water balance of patients with pernicious anemia during the liver extract induced remissions.

In respect to other types of anemia, work has also been carried on under the direction of Doctor Minot by Dr. Arthur Marlowe and Dr. F. H. L. Taylor. They were able to improve greatly and to simplify the existing methods for iron determination, in addition to carrying out a careful study of certain aspects of the iron metabolism of the normal individual and patients with anemia.

The problem of the necessary maintenance dose of liver or liver extract had nowhere received the necessary critical study until Dr. Richard T. Beebe and Dr. George Eric Lewis, at Doctor Minot's suggestion, undertook the study of over one hundred patients with pernicious anemia who returned at frequent intervals to this clinic and to the Peter Bent Brigham Hospital Clinic. The resulting data have been analyzed and a report is now in press which promises to be a contribution of great practical importance.

During the past two years many patients suffering from "secondary" anemia have been benefited by dosage with large amounts of iron suggested by Doctor Minot. His advocacy of this method has done much to improve the treatment of secondary anemia in this country, even though a complete publication of the results has not yet been made. While further studies are being conducted, the available data are now being analyzed by Doctor Minot and Doctor Heath so that an objective notion of the effectiveness of iron therapy may be published.

Dr. Lindh Muller, in addition to achieving many valuable new points of view about the relationship to dietary deficiency while on leave of absence in India, carried on in the laboratory experiments concerned with the effect of various substances on the maturation of primitive cells of the chick embryo. On pernicious

anemia patients in the Thorndike Ward, she also studied the fluctuations in lipoids and fatty acids during the remission, a problem which may have great bearing upon the central nervous system changes in this disease.

Doctor Mettier, who left at the end of the summer, has recently published studies, conducted with Doctor Minot and Dr. Wilmot C. Townsend, on the nature of the anemia in scurvy, and has clearly demonstrated in those cases under observation a specific relationship to a lack of Vitamin C. He has also this year carried out to completion observations made with Doctor Minot on the effect of iron in acid and alkaline medium given to cases of secondary anemia. These observations furnish the clew to the explanation of the achylia associated with large numbers of these patients.

Doctor Castle, in conjunction with Doctor Heath and Doctor Strauss, has continued his observations on the etiology of pernicious anemia. A considerably greater definition of the work already accomplished has been achieved, particularly in respect to the nature of the factor shown to be absent from the stomach contents. Recently, in conjunction with Doctor Taylor, systematic chemical studies of the protein metabolism in this disease have been undertaken. With Doctor Taylor he has also begun work upon the development of a practical liver extract for intravenous injection.

In collaboration with Dr. Edwin F. Gildea of the Department of Neuropathology of Harvard Medical School and with Dr. Egon E. Kattwinkle, Doctor Castle has been able to produce, by feeding diets deficient in Vitamin B, lesions in the spinal cord of dogs closely resembling those of pernicious anemia. At present, further observations are under way upon the therapeutic aspects of this problem.

Doctor Heath has, with Miss Daland, made prolonged studies of the reticular material in red cells appearing in the remission in pernicious anemia, or in response to bone marrow activity, and these workers are now carrying this fundamental problem further.

Dr. Maurice B. Strauss with Doctor Castle is carrying out an investigation of the anemias of pregnancy with particular reference to the incidence of achlorhydria.

On the first of September, Dr. Chester S. Keefer was appointed Associate Physician to the Thorndike Laboratory and Assistant Professor of Medicine in Harvard

Medical School. Doctor Keefer has already done work of importance in this field and has recently published papers concerning studies of dietary anemias made during the past year in China. With him comes Doctor Yang as National Research Fellow of China, and together they are undertaking studies of certain types of anemia, the relationship of edema to anemia, and the significance of jaundice in pernicious anemia.

Dr. Claude E. Forkner, recently appointed Assistant Physician brings to the Thorndike the advantages of study at the Rockefeller Institute and in Germany. With the assistance of Dr. McNair Scott, he is undertaking, in conjunction with Doctor Minot, studies of various therapeutic measures in leukemia.

Dr. F. H. L. Taylor, a trained organic and physical chemist, is working on various problems in collaboration with Doctor Forkner, Doctor Jackson, Doctor Castle and Doctor Marlowe, beside undertaking studies of his own. The rate of progress of these several investigations has been materially aided through the point of view brought to bear by Doctor Taylor.

SECTION OF THE THORNDIKE LABORATORY CONCERNING CARDIO-VASCULAR DISEASE.

The work of the section of the Thorndike Laboratory which is devoted to the study of cardio-vascular diseases has been mainly investigative during the past year. Considerable time and energy has been spent on routine observations and the study of patients with obscure clinical manifestations in various parts of the main hospital. The separation of research from clinical observations and the study of patients often is difficult. A consultation or a routine electrocardiogram may give the impetus toward a fundamental discovery.

I. Investigations. Completed or in Progress.

Continuous effort has been made to shed light on various obscure aspects of arterial hypertension and the mechanisms of circulatory failure. These two problems, because of their practical significance and their bearing on more basic general principles, stand at the center of interest among the numerous problems of the larger field of circulation.

A.— Arterial Hypertension and Vascular Problems.

An extensive investigation of the mechanism of the circulation in the various types and stages of hypertension has been completed in collaboration with Dr. Laurence B. Ellis. For the first time, with the aid of instruments of precision recently developed, a complete picture of the pathological physiology of this morbid condition has been given. The knowledge gained through this investigation has an important bearing on the treatment of hypertension.

In collaboration with Dr. George P. Robb and Dr. Laurence B. Ellis, extensive investigations have been completed on the effects of histamine, acetylcholine, and sodium nitrite on the normal circulation and on the circulation in arterial hypertension. An understanding of the mechanism of the action of these substances is important in a number of normal and morbid states of the human body. Such knowledge as far as man is concerned has heretofore been lacking. This study yielded a number of significant observations.

A statistical study of the age, sex incidence and symptomatology of over a thousand cases of arterial hypertension was completed in collaboration with Dr. Joseph E. Riseman, former volunteer worker. The practical significance of these studies is self-evident.

A quantitative study of the capillary bed of the surface of the skin in normal subjects, in arterial hypertension and in arteriosclerosis was completed in collaboration with Dr. Donald Frazer, a former tutorial student of Harvard Medical School. This study represents continued effort to separate the etiology, hypsiology and morphology of arteriosclerosis and of arterial hypertension, two morbid conditions confused at present.

In collaboration with Dr. Laurence B. Ellis, an extensive study of the vasomotor disturbances in hemiplegia was reported before the Society of Clinical Investigation. This condition offers an ideal opportunity, unfortunately provided by nature, to study the effect of lesions of the vasomotor centers. Important light has been shed through this work on the central regulation of the peripheral circulation in subjects with normal blood pressure and with arterial hypertension. Dr. William Raab, a Rockefeller Research Fellow from the University of Vienna, has investigated the cerebral blood flow in patients with arterial hypertension.

The state of the autonomic nervous system was studied in a group of patients with arterial hypertension and compared with a control group in collaboration with Dr. Arthur Patek, a former tutorial student of Harvard University.

The role of the blood potassium, calcium, inorganic phosphorus and cholesterol in arterial hypertension were studied in collaboration with Mr. Alfred Weinstein. These investigations help to clarify the etiology of arterial hypertension.

In collaboration with Dr. Dudley Merrill and Dr. Logan Roots, former tutorial students of Harvard Medical School, cross sections of the arterial tree of the extremities in patients with arterial hypertension and in a control group were studied by arteriography.

With Dr. Laurence B. Ellis and Dr. George P. Robb, the functional capacity and certain vascular responses of the kidneys in patients with various types of hypertension is being studied. An attempt is also being made to study the blood flow through the normal and pathological kidney in man. This study attempt, for the first time, has already yielded a few observations of fundamental significance.

Continued efforts have been made by Dr. David Davis to study the nutrition of the coronary artery. It is expected that his work will explain the mechanism of coronary sclerosis. Various injection methods have so far failed to reveal uniformly the vasa vasorum of the coronary arteries.

B.— The Mechanism of Circulatory Failure.

The mechanism of the circulation was studied with Dr. Laurence B. Ellis in patients with rheumatic heart disease before and after the administration of digitalis. The concept formulated as a result of this investigation will aid in clarifying problems actively studied by many, both in America and Europe. As a continuation of this study and of several other studies conducted during the past five years, the blood flow, the lactic acid of the blood, and other aspects of the circulation before and following exercise in patients with various types of cardiovascular disease is being studied by Doctor Ellis and Doctor Weiss.

Dr. George P. Robb is engaged in the study of various forms of cardio dyspnea. It is hoped that, with the

knowledge gathered from these series of investigations, a new concept of the mechanism of circulatory failure will emerge which will be based directly on quantitative observations on man rather than on hypothetical assumptions. The significance of such a central concept does not require elaboration.

C.—Miscellaneous Problems.

In addition, significant problems are often suggested by clinical experience. Some of these observations may stand isolated for a long time; others gain significance when confirmed by repeated observations. Some of these studies are as follows:

Dr. Laurence B. Ellis and Doctor Weiss have completed a study of the mechanism of the circulation in the presence of arteriovenous fistula. They have also completed a study of the regulatory functions of the peripheral circulation in a group of patients with complete auriculo-ventricular block. They are engaged at present in studying the nature of a heretofore undescribed clinical syndrome, *i. e.*, a syndrome similar to that of Raynaud's Disease which is produced by an arterio-sclerotic condition.

Dr. David Davis is making an extensive correlation of the clinical course and the autopsy findings of patients who died from rheumatic fever. The purpose of these studies is to establish the natural history of rheumatic fever.

Dr. Laurence B. Ellis has used the records of the Electrocardiographic Department for a study of complete heart block and has also made some observations on the effect of histamine on the T-wave of the electrocardiogram. Dr. J. M. Faulkner is collecting evidence to form a basis for differentiating between Sydenham's Chorea and Hysterical or other forms of chorea by means of the electromyogram. He has also collected a series of observations on the use of tincture of stramonium in the treatment of chorea, and has begun a large scale study in collaboration with Drs. E. H. Place, W. R. Ohler and Burton Hamilton with the object of establishing the incidence and clinical identity of the "Scarlet fever heart."

II.—Routine Activities.

The main routine activities of this department consist of the electrocardiographic studies of patients. In

addition to this, the facilities of this department have been utilized for the study of cases with unusual and not well understood clinical manifestations, at the request of visiting physicians and surgeons. Numerous cases with peripheral vascular diseases, with circulatory asthenia, and disturbances of the autonomic nervous system have been investigated.

THE ELECTROCARDIOGRAPH LABORATORY.

During the past year there have been taken 1,850 routine clinical electrocardiograms. In addition, about twenty experiments involving the use of the electrocardiograph have been carried out. These have consisted chiefly of the investigation of the action of various drugs such as atropin, adrenalin and histamine on the heart or on a particular abnormal rhythm. Electromyograms have been done on ten patients with different types of tremors. The use of the string galvanometer for the graphic registration and differentiation of various types of tremors is largely due to the work of Dr. Stanley Cobb, and the new Neurological Wards are the first to be especially equipped for the recording of electromyograms. The taking of electromyograms as a routine diagnostic procedure in certain neurological cases with tremors will probably constitute a small but important part of the work of this laboratory. Further clinical investigation along these lines is contemplated.

The figure of 1,850 routine clinical electrocardiograms shows a marked increase over the two previous years (1,068 total for 1929 and 995 total for 1928). This increase is due in part to an increased interest and appreciation of the value of the electrocardiograph on the part of the House Officers, and in part to the speedier and therefore more valuable service which has been effected. By taking the records directly on bromide paper instead of using film from which prints are made, the time required to produce a finished record has been cut in half, with a saving in cost of materials of over 75 per cent. The end product is exactly as useful although not always as finished looking as a print taken from film.

A special electrocardiograph requisition blank has been instituted on which the House Officers state, in addition to the patient's name and age, whether they have had digitalis within two weeks or not, as well as the

diagnosis and outstanding clinical features of the case. This blank becomes a permanent part of the file in which the electrocardiographic diagnoses are recorded and has proved of great value in correlating the galvanometric findings with the clinical data.

We have for the first time this year taken records on patients in the Out-Patient Department instead of asking them to come to the laboratory. Under the old system the long and circuitous trip from the Out-Patient Department to the laboratory proved such an insurmountable obstacle to sick and ignorant patients that many were "lost in transit."

The opening of the new Medical Building which is completely wired for electrocardiography has added greatly to our facilities for this service. An economical and efficient arrangement has been made by carrying over a cable from the connections on Ward T to the new building, thus making it possible to obtain in the old laboratory electrocardiographs on patients in the new ward.

We are looking forward with great pleasure to the advent of the new portable Sanborn electrocardiograph which has been ordered and will be delivered before the end of the year. This is a simpler and sturdier machine, in many ways more satisfactory for clinical use. It can be used in the laboratory to take electrocardiographs on distant wards or can be wheeled directly to the ward like a portable X-ray machine, and records taken entirely independent of the wiring system. The old Hindle machine has certain advantages for experimental use and will continue to be available for that purpose.

DIVISION OF THE THORNDIKE LABORATORY CONCERN- ING CANCER AND ALLIED DISORDERS, AND THE SUB-DIVISION, CHEMISTRY.

Under the general direction of Dr. Henry Jackson, Jr., in the Thorndike Laboratory, studies have been continued on malignant disease. Progress is necessarily slow, the field is difficult and far from untouched. The subject may be attacked from the angle of animal tumors on the one hand or of human material on the other. Our approach has been from both directions, but we have concentrated most of our efforts on human tumors and on the clinical study of cases of malignant disease in the wards.

There are four requisites to the adequate study of cancer and allied disease: (1) suitable material; (2) adequate laboratory facilities; (3) a highly trained chemist; (4) a highly trained pathologist, sympathetic with the general investigative program and himself actively interested in it. In all respects we have been unusually fortunate.

Through Doctor Jackson's association, in a clinical capacity, with the Collis P. Huntington Memorial Hospital, the Pondville Hospital and the Beth Israel Hospital as well as the Boston City Hospital, he has been able to command a very great amount of clinical material. The "average case" of malignant disease offers no great opportunity for advanced study other than the accumulation of clinical statistical data. It is to the unusual case — the border line condition — that we must often look for opportunity to make advances, and it is only by the accumulation of such material, often from several sources, that such cases come under our control. That various clinics should be inter-related in some such manner is of the utmost importance and most advantageous to all concerned. There results a unification rather than a diffusion of effort.

Dr. F. H. L. Taylor, a Ph. D. chemist, has been of the utmost value to the group. Many clinical problems arise, the solution of which is beyond the abilities of the usual well trained laboratory student. The constant availability of a highly trained chemist could hardly be dispensed with.

Dr. Frederic Parker, Jr., of the Pathological Department, is so closely linked with our cancer studies that all papers are being published under his name as well as under Doctor Jackson's. We would emphasize the importance of having such a trained pathologist cooperate in the work. One can hardly make a step into the field of malignant disease without appealing to the pathologist, and the only pathologist of real value in such a progress is one whose interest lies in that particular field and whose time is sufficiently his own,—that he can direct his own efforts uninterruptedly to the study at hand.

As to the work actually being carried out, the chemical metabolism of tumors is still being investigated, following out our already published work of last year. Various organic chemicals are being prepared and their effects on the bone marrow of animals is being studied. The extraordinary results following the administration

of a certain chemical to a case of acute leukemia last year is the stimulus for this work. These preparations are being made by Dr. F. H. L. Taylor. The technical side of the experiments is in charge of Miss Helen Curtis.

The manner in which radio active substances affects malignant disease is as yet uncertain. Experiments are being carried out in hopes of further clarifying this most important question. The method used is original with us and involves apparatus of an intricate nature. It is approved by Dr. William Duane, Professor of Bio-physics, and is made possible through the generosity of the Huntington Memorial Hospital, from whom we obtain the radon needles used in the work. Doctor Parker, Doctor Taylor, Miss Curtis and Miss Duane are all participating in this work.

The blood picture of Hodgkin's Disease and other types of malignant lymphoma are being carefully studied in a relatively large series of carefully selected cases. From both the diagnostic and the prognostic viewpoint such studies are of interest and of value to the general practitioner. A parallel series is being followed through on cancer cases, for it should be recognized that in recent years almost every case of malignant lymphoma has received large doses of X-ray and this may easily affect the blood picture. In this study we have been greatly helped by the technical assistance of Miss Helen Curtis and Miss Marion Duane.

The relation of Hodgkin's Disease to tuberculosis is being studied statistically, bacteriologically and immunologically. Dr. James M. Bethea, a former House Officer, analyzed with us the pathological findings in 126 cases of lymphoma, as contrasted with 50 cases of pernicious anemia and 400 cases of cancer. The results of these studies are to be published shortly. Doctor Parker, with the assistance of Miss Curtis and Miss Duane, is carrying out bacteriological investigations of all "malignant lymphoma" specimens received from biopsy. Cultures are made anærobically, and several hundred guinea pigs, pigeons and rabbits have been injected with these lymph nodes in an effort to solve the question — Is Hodgkin's Disease infectious? Under direction of Doctor Jackson, Dr. Greene FitzHugh did a large number of tuberculin tests with human, bovine and avian tuberculin on our cases of malignant lymphoma. The results of these studies are about to be published. Doctor Taylor is also carrying on a strain

of rabbit cancer to be used for experimental purposes. Doctor Rinehart is studying methods of staining blood cells and tumor cells.

Such are the laboratory studies being carried out. Clinically cases are being carefully followed and studied—for in the natural history of a disease one can often find clues to its nature and to its cure.

INFECTIOUS DISEASE UNIT OF THE THORNDIKE LABORATORY.

The advances made during the past fifty years in knowledge concerning the etiology, pathology and treatment of infectious diseases have been stupendous. There still remain, however, many problems which are obscure and many of these have to do with diseases of patients who are admitted to the medical wards, rather than to the contagious pavilions. Information in regard to the mechanism of infection and recovery in lobar pneumonia, the effective treatment of subacute bacterial endocarditis and the etiology of acute rheumatic fever and of infectious arthritis, would furnish the physician with powerful weapons towards effective therapeusis, and the opportunity of obtaining information of this nature would be ideal in an institution as large as the Boston City Hospital, if the proper organization were provided.

For many years the Pathological Laboratory has carefully investigated many individual interesting cases, but concerted effort in one disease or group of diseases has been impossible because of the pressure of routine bacteriology and serology. The Pneumonia Service, under the guidance of Doctor Locke, contributed many interesting and valuable observations during the four years of its existence (1919–1923). In 1925, through the cooperation of the Department of Hygiene, Harvard Medical School, and the Trustees of the Boston City Hospital, a salaried resident became available for the purpose of studying various specific serums as means of treatment of lobar pneumonia. Through the winter of 1928–1929, the men in this position, on account of the routine work in the administration of sera, were able to add but little other than facts concerning the effectiveness of these specific sera. With the organization of the Thorndike Laboratory in 1923, the bacteriologic and immunologic problems of this group were

delegated to Doctor Nye who was assigned one technical assistant. Doctor Nye has conducted investigative work relative to the bacteriology of pernicious anemia, rheumatic fever and associated problems, and numerous papers have been published. Although certain honest attempts were made during the ten years prior to the fall of 1929 to make use of the opportunities offered on the medical wards of the hospital, the work was sporadic and more or less ineffectual, due to the lack of workers.

During the spring of 1929, plans were made by Doctor Minot to enlarge the work on infectious diseases at the Thorndike Laboratory. Doctor Sutliff was placed on the Staff of the Thorndike and was associated with Doctor Nye. Doctor Finland was assigned to the unit full time, and Doctor Beebe, a Thorndike resident, part time. Another Thorndike technician was delegated, together with one, half time. Because of the experience and interest of Doctors Sutliff and Finland in regard to lobar pneumonia, it was decided that the majority of time was to be devoted to the study of problems concerned with this disease. The pneumonia resident was made a member of the Thorndike Staff and was assigned to this infectious disease unit. Provisions were made by the Trustees for a student assistant. Funds were also supplied by the Department of Hygiene, Harvard Medical School, for a technician to perform the routine bacteriologic work and for the purchase of certain supplies. Doctor Mallory of the Pathological Laboratory very kindly furnished space and media for this technician.

During the fall, winter and spring of 1929-1930 this unit saw 359 cases of suspected pneumonia on the various services and each case was carefully studied clinically, bacteriologically, and serologically. Suitable cases were treated with specific sera, supplied through the kindness of Doctor Felton of the Harvard Medical School and Doctor White of the Massachusetts Department of Public Health. Related investigative problems, such as type of specific skin reactions, and whole blood killing power in patients with pneumonia and in normals, and the therapeutic effect of convalescent sera, were completed. More fundamental studies on problems related to non-specific resistance were conceived and begun. In addition, the three older members of the unit did a considerable amount of teaching, in which particular emphasis was placed on different aspects of infectious diseases.

The personnel of the unit at present is: two Thorndike physicians (Doctors Nye and Sutliff), one Thorndike resident (Doctor Finland), pneumonia resident (Doctor Hunnicutt), student assistant (Doctor Steele), three full-time technicians, another half-time technician and one laboratory helper. The specific treatment of cases of Type I and II lobar pneumonia will be continued on the assumption that the majority of properly selected cases (non-alcoholic patients under fifty years of age and treated within four days of onset) can be cured, and a concerted attempt will be made to explain the results in those cases which fail to react favorably. Associated investigative problems, such as the cellular and serological reaction of serums and purulent accumulations during the course of lobar pneumonia, tests of the disappearance rate of horse protein and immune bodies injected intravenously in man, and the search for the distribution in various organs, particularly the lung, at post-mortem, of horse, protein and immune bodies injected intravenously in man during life, are in progress. Experimental and clinical work concerning infection and non-specific resistance is being continued. Teaching assignments are being carried on by the older men, and, in addition, a bimonthly clinic in conjunction with the medical services and Department of Bacteriology, Harvard Medical School, has been instituted, at which interesting or puzzling cases of infectious disease are presented and discussed.

It seems highly desirable that steps should be taken to ensure the permanency of an infectious disease unit. In order for the work to continue in an efficient manner provisions will have to be made so that all the members of this unit hold regular hospital positions paid in the routine way.

X-RAY AND PHOTOGRAPHIC DEPARTMENT.

The amount of work referred to our department continues to show a marked increase each year.

Our plans include the installation, this year, of an X-ray equipment in the Out-Patient Building, by which we hope to relieve the main department of about fifty cases a day. The time also has come when we must consider installing a therapeutic machine in the Out-Patient Skin Department. Approximately 80 per cent of all skin diseases are now being treated by X-ray,

and a treatment machine has become an essential requirement for this department.

In the past month we have changed our source of electrical supply from the Hospital plant to the Edison Electric Illuminating Company. The power from our own plant had shown quite a considerable amount of fluctuation as it was delivered to our department, which made it very difficult to be accurate in our exposure tables. By receiving the electricity from the Edison Company we are now assured of a constant source of electricity and most of the fluctuation troubles have disappeared.

Our new system of reporting cases to the various departments of the Hospital has been in use for about a year and has proven satisfactory. The reports are made out in duplicate on small cards, and each service pastes its report card into the clinical record, thus saving time which was formerly spent by internes in transcribing these reports by longhand into their records.

During the past year a Resident Radiologist was appointed. He is a graduate of our own department and is in charge of the service during the absence of the Visiting Physicians. He has taken over a great deal of the routine work, such as checking over supplies, supervising the care and upkeep of machines, and keeping track of the help. This allows the Director more time for his strictly professional duties.

The teaching demands in the department also have increased for the students of both Harvard and Tufts Medical Schools. We are also receiving many more graduate students than formerly. We feel that this increase in the demands for teaching is due largely to the volume and variety of cases which pass through our department.

Following is the statistical report of the X-Ray Department for the year:

DIAGNOSTIC CLINIC.

1. *Routine Cases.*

Number of ward patients	20,225
Number of out-patients	15,719
Number of outside doctors' patients	3,043
Total number of patients	38,987
<i>Carried forward</i>	38,987

Brought forward 38,987

2. *Gastro-Intestinal Cases.*

Number of ward patients	934
Number of out-patients	407
Number of outside doctors' patients	611

Total number of patients	1,952
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3. *Haymarket Square Relief Station.*

Number of patients	1,289
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Total number of patients	1,289
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4. *East Boston Relief Station.*

Number of patients	693
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Total number of patients	693
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5. *South Department.*

Number of patients	122
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Total number of patients	122
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Total number of ward patients	23,263
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Total number of out-patients	16,126
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Total number of outside doctors' patients	3,654
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Total number of diagnostic cases	<u>43,043</u>
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TREATMENT CLINIC.

1. *X-Ray Treatment Cases (New).*

Number of ward patients	165
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Number of out-patients	205
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Number of outside doctors' patients	70
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Total number of patients	<u>440</u>
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2. *X-Ray Treatment Cases (Old).*

Number of old patients returned	1,599
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Total number of patients returned	<u>1,599</u>
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3. *Radium Treatment Cases (New).*

Number of ward patients	56
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Number of out-patients	2
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Number of outside doctors' patients	6
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Total number of patients	<u>64</u>
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4. *Radium Treatment Cases (Old).*

Number of old patients returned	16
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Total number of patients returned	<u>16</u>
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5. *Radon Cases (New).*

Number of ward patients	15	
Total number of radon patients		<u>15</u>

6. *X-Ray and Radium Treatments (New and Old).*

Number of ward patients treated	528	
Number of out-patients treated	1,247	
Number of outside doctors' patients treated	344	
Total number of X-ray and radium treatments		<u>2,119</u>

7. *Consultations and Examinations.*

Number of ward patients	269	
Number of out-patients	615	
Number of outside doctors' patients	163	
Total number of patients		<u>1,047</u>

8. *X-Ray Treatments Given.*

Number of ward patients treated	460	
Number of out-patients treated	1,240	
Number of outside doctors' patients treated	339	
Total number of treatments (new and old)		<u>2,039</u>

9. *Total Cases (Seen and Treated).*

Number of ward patients	811	
Number of out-patients	1,862	
Number of outside doctors' patients, ...	507	
Total number of cases seen and treated -		<u>3,180</u>

10. *Total Number of All Patients.*

Number of all patients (diagnostic and treatment)	<u>45,177</u>
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NUMBER OF FILMS USED.

For routine cases	65,102	
For gastro-intestinal cases	11,366	
Dental films	10,708	
At the South Department	379	
At the Haymarket Square Relief Station	3,003	
At the East Boston Relief Station	724	
Total		<u>91,282</u>

DEPARTMENT OF PHYSICAL THERAPEUTICS.

All cases treated in this department were referred from the Out-Patient Clinics and House Services, as this

department does not admit patients directly. At frequent intervals these patients were directed to report back to the respective clinics where they originated, for the purpose of recording their progress. Where special problems arose, personal consultations between the Visiting Men to the Department of Physical Therapeutics and those of other departments were held.

The Physician-in-Chief to the Department of Physical Therapeutics availed himself of the opportunities accorded to him by the cordial invitations of heads of other departments to participate in their conferences, thereby securing a better understanding of their physiotherapy needs.

During the year a mild epidemic of infantile paralysis occurred. These cases were housed in Ward A and taken care of by the Department of Pediatrics, the Bone and Joint Service and the Department of Physical Therapeutics. The latter equipped Ward A with necessary physiotherapy apparatus and technicians. This emergency service was continued in Ward A for about two and one half months. Following this period these patients were referred to the respective three Out-Patient Clinics.

The six months' periods of training for technicians has been carried on by the department as in the past. This instruction was given to the students in consideration of the services which they rendered to the department.

The head of the department conducted weekly conferences with the technicians and students for the purpose of adjusting departmental matters as well as enlightening them on recent progress made in the field of physical therapeutics. He also invited Visiting Men of other departments to address these conferences on subjects allied to this particular branch of medicine.

The statistical report is as follows:

Number of ward patients treated	984
Number of out-patients treated	3,345
Total number of individuals treated	4,329
Number of visits of ward patients	10,378
Number of visits of out-patients	43,972
Total number of visits	54,350
Total number of treatments	132,486

DEPARTMENT OF IMMUNOLOGY.

The statistical report of the Department of Immunology from January 1, 1930, to January 1, 1931:

Total number of patients:

In Out-Patient Department	1,301	
In House	152	
	—	1,453

Total number of visits to Out-Patient clinics 11,329

Total number of visits of doctors to House patients 276

Curative and diagnostic inoculation:

In bronchial asthma, hay fever and other allergic conditions, chronic bronchitis, recurrent respiratory infection, furunculosis, acne, local tuberculosis, arthritis, etc.

Number of patients (including House patients) 712

Number of visits (including House visits) 8,546

Number of curative and diagnostic inoculations 16,995

Protective inoculation:

Against typhoid and paratyphoid — number protected 117

Number of protective inoculations 451

Number of visits 451

Against diphtheria — number protected 56

Number of toxin-antitoxin injections 166

Number receiving the Schick test 158

Number of Schick tests done 165

Number of visits 508

Protective inoculation

Against scarlet fever — number protected 52

Number of Dick toxin injections 309

Number receiving the Dick test 178

Number of Dick tests 269

Number of visits 746

Number of dog bite (or other animal bite) cases, investigated 486

Number protected against rabies 61

Number of protective antirabic injections 830

Number of visits 1,353

Chemo-serum therapy:

Number of patients under treatment for neurosyphilis 27

Number of visits of neurosyphilis patients 448

Number of intravenous Arsphenamine injections 179

Number of intradural Arsphenaminized serum injections 41

Number of intramuscular bismuth injections 81

Number of intramuscular mercury injections 32

Number of lumbar punctures done for diagnosis 18

The Work of the laboratory:

Number of autogeneus vaccines prepared 1,207

Number of Swift-Ellis and Ogilvie sera prepared 41

Number of colloidal gold tests done 62

Number of spinal fluid cell counts done 26

From 261 specimens of blood taken from convalescent patients the following doses of sera were prepared and bottled for the South Department:

Convalescent measles sera . . .	634	
Convalescent scarlet fever sera . .	124	
Convalescent mumps sera . . .	23	
Convalescent poliomyelitis . . .	3	
	—	784

These sera were used in treatment of, or protection against the above-mentioned diseases at the South Department.

CLINICAL LABORATORIES.

The end of the year 1930 has seen the complete reorganization in the administration of laboratories that concern themselves with clinical pathology. In past years these laboratories have been divided into three groups: (1) The Clinical Laboratory. (2) The Blood Laboratory. (3) The individual service laboratories. These have been under the direction of separate individuals.

Those in charge of the Clinical Laboratory have subdivided their work into two classifications, one of which is Clinical and the other Laboratory. The directors of this laboratory have operated the Diabetic, Nephritic and Thyroid Clinics. They also have directed that laboratory work which came under the heading of "Clinical Laboratory." This consisted of special blood studies, chemistry determinations, more elaborate urine and stool examinations, and also the basal metabolism tests.

The work of the Blood Laboratory can be roughly divided into two groups: (1) Blood studies of a morphological nature. (2) Typing and cross typing of blood for transfusion. In connection with this feature this laboratory has maintained a large list of professional donors for use in this hospital and elsewhere.

The service laboratories have functioned entirely as separate units each in connection with its own particular service, and without any supervision of one person in regard to apparatus and equipment.

The amount of work done in these various laboratories during the year 1930 is listed as follows:

Clinical Laboratory.

Special chemical determinations for the House . . .	4,945
Special chemical determinations for the Out-Patient Department	469

Basal Metabolism tests for the House	707
Basal Metabolism tests for the Out-Patient Department	748

The special chemistry determinations referred to consisted chiefly of blood chemistry. There have been numerous requests for various determinations of complicated nature that the laboratory was unable to carry out because of lack of space, proper equipment, and assistance.

Blood Laboratory.

House cases studied	130
House cases completed	274
Total	<u>404</u>
Out-Patient Department complete blood examinations,	270
Total blood examinations	674
House complete bloods	160
Total	<u>834</u>
Number of consultations	130
Number of typings	469
Number of Wassermanns	110
Number of donors	460
Number of out-patients	50
Number of these out-patients counted elsewhere	15
Visits of out-patients	270

The exact number of professional donors supplied cannot be stated, as the list has to be kept open for the use of house officers at times when the technicians are not present, and because donors are frequently sent for without being used.

SERVICE LABORATORIES.

Each service laboratory has carried out routine clinical pathological examinations as directed by the chief of each service.

During the year 1930 one new medical service was created in the Hospital. It was the duty of the Clinical Laboratory to assist them in finding suitable space for their laboratory and equipping it. At present every service in the Hospital has its own routine laboratory with the exception of the First and Second Surgical Services. It is planned that they shall be given a laboratory in the near future.

During the past year the Trustees have created a new position, "Director of the Clinical Laboratories." It has been his duty to bring together the old clinical laboratory and the old blood laboratory, and to make of them one unit. A new laboratory has been built in the basement of the new Medical Building which now houses this new unit. The new laboratory has spacious quarters and is excellently equipped. Considerable new and valuable apparatus has been added. In addition to seeing this new unit function properly, the director also has the duty of supervision of each of the service laboratories as to its apparatus and equipment.

At the end of the year this new unit has been brought together in its new quarters, and is ready to serve the Hospital in the capacity of a complete clinical and chemical laboratory.

PEDIATRIC DEPARTMENT.

Eleven hundred fourteen ward patients and 4,922 out-patients were treated in the Pediatric Service during the past year. Of the out-patients treated 3,651 were new patients this year. The out-patients made 9,476 visits to the Hospital. These out-patient figures include the number of baby hygiene cases, the figures on baby hygiene alone being 174 cases (of which 140 were new this year) and 713 visits.

DEPARTMENT OF ORAL SURGERY.

Following is a report of work done in the Oral Surgery Department for the year 1930:

Number of ward patients treated (old and new) ..	961
New ward patients treated	936
Visits of ward patients	1,518
Number of out-patients treated (old and new) . .	1,997
New out-patients treated	1,334
Visits of out-patients	3,159
Out-patients counted elsewhere	1,027
Consultations	798
Teeth extracted	5,059
Supernumerary teeth removed	2
Impacted teeth removed	45
Novacaine anesthesia	4,622
Nitrous oxide anesthesia	101
Ether anesthesia	17
Ethyl chloride anesthesia (local)	57
Alveolar abscesses	79

Alveolar abscesses incised on face	37
Fractured jaws	80
Osteomyelitis	32
Spiculae and sequestra removed	57
Cysts surgically removed	27
Parotid gland abscess	1
Carcinoma of jaw	4
Carcinoma of tongue	1
Cleft palate	1
Closed opening into antra	5
Leukoplakia	3
Granuloma	1
Necrosis of jaw	3
Removal of foreign body	1
Removal of non-malignant tumor	2
Removal of large exostosed area on jawbone	2
Ludwig's angina	1
Hemorrhages stopped	34
Stomatitis	37
Vincent's infection	98
Temporary fillings	79
Treatments	1,063
Prophylaxis	621
Pemphigus	2

GASTRO—INTESTINAL SERVICE.

This clinic is steadily growing and developing. This year there were 1,893 out-patient visits compared with 1,422 last year and 772 two years ago. We have been much pleased with the results of holding the clinic twice a week, and of the appointment system for the patients.

We have had five or six regular trained workers throughout the year, one Visiting Physician, one junior Visiting Physician and three or four Assistants in Medicine. Two or three of the workers are present on Tuesdays, and three or four on Fridays. We are looking forward to a regular House Officer for the clinic. Our well-arranged and ample quarters always make a good impression on visitors from other clinics.

The work of the ulcer class under Doctor Jankelson has been continued, and has been much appreciated by the patients. The post-operative cases are among the most faithful of our class, probably because they realize the seriousness of ulcer. We have long felt that treatment during remissions is a crucial point, and often neglected. We believe that we can already see decidedly favorable results in warding off recurrent

attacks in this group. There will always be plenty of room for education of the poorer or less intelligent hospital patients.

The cases seen in consultation in the wards have always been very interesting, and very useful for teaching and study. We are grateful to our colleagues for this opportunity. The clinic would welcome many more digestive cases from all the medical and surgical services after discharge from the wards. Many of these patients greatly need further supervision and follow-up of a chronic digestive condition.

The following clinical research has been carried out through the year:

Dr. I. R. Jankelson has been studying a new Bilirubin Liver Function Test, which consists of injecting pure bilirubin into a vein and measuring the liver's power of excreting it in a given time.

Dr. P. B. Davidson has continued the use of a high vitamin treatment of a group of peptic ulcers without relying on frequent feeding or alkalis. Doctor Davidson has continued his study of the bacteriology of chronic ulcerative colitis, and the use of vaccines and filtrates in treatment.

Our studies of intragastric photography did not seem to warrant further use at this time of the very ingenious and interesting apparatus which was loaned to us.

Doctor White and Doctor Jankelson have reported their work with the ulcer class at the Annual Meeting of the American Gastro-Enterological Association in 1930, and also a series of gall bladder cases with hematemesis at the Annual Meeting of the American Association of Physicians in 1930.

The following figures represent the work of the clinic for the year:

Number of ward patients treated, or seen in consultation	176
Number of out-patient treated	600
Number of out-patient visits	1,893

SERVICE FOR TROPICAL DISEASES.

During the past year the following cases of tropical diseases were seen and treated by the Resident in consultation with the Visiting Physician:

Sprue	3
Tinea saginata	2
Tinea solium	2
Oxyuris	2
Tertian malaria	1
Aestivoautumnal malaria	1
Amoebic dysentery	2
Trichiniasis	3
Colitis	6
Pellagra	6
Scurvy	1

In addition to these cases, the tropical service saw in consultation fourteen cases of suspected tropical diseases in which no further evidence of such disease was found.

Sixty stool specimens were examined for parasites and ova and ten specimens were collected for amœba.

Anayodin was employed in the treatment for cases of colitis. A cure was effected in one due to ameobic dysentery. A temporary good effect was secured in one case of mucous colitis and no effect was noted in two cases of colitis of unknown etiology.

In collaboration with the late L. Spencer Davis, studies were commenced on the presence of porphyrin in the urine of patients with pellagra and the effect of exposure of the skin of such patients to ultra-violet light. This work was abandoned upon the death of Mr. Davis.

In collaboration with Doctor Castle the nature of the deficiency in the gastric juice of patients with a blood picture of pernicious anemia was studied. Furthermore, an investigation was made of the nature of the deficiency producing a pernicious anemia blood picture in Sprue.

CARDIAC CLINIC.

Two hundred and twelve patients were treated in the Cardiac Clinic during the year 1930. Of these, 180 were new admissions. These out-patients made a total of 883 visits to the department. This is a definite increase both in new patients and in total visits over the preceding year.

The intensive follow-up work of chronic cardiacs discharged from the house and referred to this clinic has been continued and the supervision of this group has not only been of benefit to the patients but also has been of economic advantage to the Hospital.

Certain types of cardiac disease have been chosen by different members of the clinic for special study. This work has only recently been inaugurated, but in the course of time much benefit to the patient as well as to the physicians working in the clinic should accrue from this intensive study of special groups.

Consultations with members of the Staff and House Officers and practising Physicians have been carried on as in former years.

The following of the prenatal group by periodic visits to the clinic has undoubtedly been a safeguard to this type of patient.

The coöperation of the various out-patient departments with this clinic has been most gratifying.

CIRCULATORY CLINIC.

During the year 1930 the number of patients treated in the Circulatory Clinic was 789. Four hundred forty-seven of these were new patients. These out-patients made a total of 4,821 visits to the clinic.

THYROID CLINIC.

As previously reported, the medical and surgical thyroid out-patient groups combined into a single clinic on October 18, 1929, meeting regularly every Friday morning at eleven o'clock. The clinic is headed by Doctors Cochrane, Ohler and Ullian, assisted by Doctors Abramson and Berlin. Since this reorganization, making possible an immediate medical and surgical consultation, the attendance has steadily increased as shown by the following figures:

During 1929, 52 patients made 154 visits. However, 62 of these visits were made prior to the establishment of the combined clinic, while 92 visits occurred in the remaining ten weeks of that year.

In 1930, 544 visits were made by 149 patients, that is, an increase of 390 visits and 97 patients over the preceding year.

Patients referred for admission to medical services in the Hospital have been under the supervision of Doctors Ohler and Ullian; similarly all surgical cases have been assigned by the Staff to Doctor Cochrane. The handling of these patients by a small group has made possible more careful study, and more successful treatment. It has resulted in a well satisfied group of patients as shown by the steady increase in numbers.

During the eight years preceding the assignment of all thyroid cases to Doctor Cochrane the Hospital records show that 26 patients were operated upon with four deaths or approximately 15 per cent mortality. There is in process of publication a report of 100 unselected thyroid operations showing a mortality of but 2 per cent.

DEPARTMENT OF SOCIAL WORK.

The private committee continued to supplement the work of the Hospital in providing a measure of social after care, follow-up and recreational service for groups of patients.*

STATISTICS.

Our fifteen case workers gave definite social service outside the Hospital to about 900 patients a month, of whom 541 were socially recorded, and paid a total of 5,183 visits to homes and agencies in the interests of patients. The monthly average of our paid Staff was $22\frac{10}{12}$, $15\frac{6}{12}$ of these were social case workers. In addition to the patients noted above our recreational workers in the main Hospital and South Department, supplemented by volunteers, gave some form of recreation, games, occupational therapy, reading matter to many hundreds of ward children and others.

EXPENDITURES.

Through the Hospital budget a total of \$26,826.87 was expended; \$24,684.80 of this was for case workers' salaries; \$2,142.07 for car fare, telephone rental, furnishings, etc. In addition \$160.50 was expended from the interest of the Perkins Fund to purchase surgical apparatus for a few ward patients. From the interest of the Hettie Lang Shuman Memorial Library Fund, we expended \$75.05 for new books for our library service.

Through the private committee a total of \$14,865.90 was expended for salaries, car fare, for privately paid workers, publicity, etc. In addition we received from private sources \$2,656.72 for special relief of certain needy patients as follows:

* A separate report on some phases of the work during 1930 is in course of preparation and can be had on application to the department.

From the Committee of the Permanent Charity

Fund, Inc.	\$1,496 22
Raised by case workers for individual patients	940 50
Special donations for needy patients	60 00
Contributed for children's recreational work	161 00

PRIVATE COMMITTEE.

Mrs. George H. Monks, Chairman.

Mrs. Reid Hunt, Secretary.	Mrs. George R. Minot.
Mrs. Edward H. Bradford.	Mrs. I. A. Ratshesky.
Mrs. Charles A. Coolidge.	Mrs. William H. Robey.
Mrs. Thomas M. Devlin.	Mrs. John Rock.
Mrs. Henry Ehrlich.	Mrs. George L. Tobey.
Mrs. Charles C. Lund.	Mrs. Soma Weiss.

Mrs. Ernest B. Young.

Mr. William C. Endicott, Treasurer, 71 Ames Building,
Boston.

Miss Gertrude L. Farmer, Executive Director.

HOSPITAL SCHOOL.

The annual report of the school year 1929-1930 to the Boston Public School Committee, under whose supervision the Hospital School is conducted, states that the total enrollment was 302. The average number of pupils belonging was 51. The number of pupils taught daily was 33. Twelve pupils who were patients in the Hospital for two months or longer on June 26, 1930, were promoted to the next higher grade.

The summer session for July and August had an average attendance of 53.

SOUTH DEPARTMENT.

During the thirty-six years that the department has been in operation, 84,065 patients have been received, nearly all ill with an infectious disease.

HAYMARKET SQUARE RELIEF STATION.

This Relief Station has been in commission twenty-nine years. In these twenty-nine years, 898,313 patients have been treated. The number of patients treated during the first year was 20,150, and during the past year 28,701. These patients received 29,677 days' treatment.

EAST BOSTON RELIEF STATION.

In the twenty-two years that the East Boston Relief Station has been in operation, 257,447 patients have

been treated. For the year ending December 31, 1930, 12,757 patients were treated. These patients received 33,493 days' treatment.

CONVALESCENT HOME.

During the forty years that the Convalescent Home has been in operation, 13,739 patients have been benefited.

The number of patients treated during the past year was 357, who received 5,582 days' treatment.

WEST DEPARTMENT.

The West Department, after being used by the United States Government for ten years as General Hospital No. 10 for war veterans, was returned to the Boston City Hospital Trustees in November, 1918.

The buildings are in fairly good condition and are unfurnished. Watchmen are caring for the plant until its future use is decided upon.

SANATORIUM DIVISION.

The Sanatorium Division (formerly the Boston Sanatorium) became a department of the Boston City Hospital on April 1, 1927. The annual report of this department is published in a separate volume.

CHANGES IN THE MEDICAL AND SURGICAL STAFF.

The following members of the Visiting Staff resigned their positions: Edward D. Churchill, M. D., Associate Surgeon and Director of Surgical Research; Samuel H. Wilkins, M. D., Visiting Ophthalmic Surgeon; Gerald L. Doherty, M. D., Assistant to the Visiting Surgeons; Frederick H. Salls, M. D., Assistant Visiting Ophthalmic Surgeon; William T. Haley, M. D., Assistant Visiting Surgeon for Diseases of Ear and Throat; Chester L. Glenn, M. D., Junior Visiting Pediatrician.

The following promotions were made: Harold W. Dana, M. D., from the position of Assistant Visiting Physician to that of Visiting Physician; Burton E. Hamilton, M. D., from the position of Junior Visiting Physician to that of Assistant Visiting Physician; Walter T. Garfield, M. D., from the position of Assistant Visiting Physician for Diseases of the Skin to the position of Visiting Physician for Diseases of the Skin; Bernard Appel, M. D., from the position of Junior

Visiting Physician for Diseases of the Skin to the position of Assistant Visiting Physician for Diseases of the Skin; Girdie W. Dickinson, M. D., and Arthur J. Cole, M. D., from the position of Assistant Visiting Physician for Physical Therapeutics to that of Visiting Physician for Physical Therapeutics.

The following appointments were made: Edwin A. Locke, M. D., to the position of Chief of the Fourth Medical Service; William D. McFee, M. D., Visiting Physician for Physical Therapeutics; Stanley J. G. Nowak, M. D., Associate Surgeon, Fifth Surgical Service; James W. Sever, M. D., Associate Surgeon, Sixth Surgical Service; Mark H. Rogers, M. D., Associate Surgeon, Sixth Surgical Service; Norman A. Welch, M. D., Junior Visiting Physician; Richard P. Stetson, M. D., Junior Visiting Physician; Bernard I. Goldberg, M. D., Junior Visiting Physician; Laurence B. Ellis, M. D., Junior Visiting Physician; Theodore L. Badger, M. D., Junior Visiting Physician; W. Harry Gullifer, M. D., Assistant Visiting Oral Surgeon; Russell F. Sullivan, M. D., Assistant to the Visiting Surgeons; Abraham N. Caplan, M. D., Junior Visiting Pediatrician; Tracy J. Putnam, M. D., Associate in Neurosurgery; Samuel M. Pearl, M. D., Assistant Visiting Physician for Immunology.

Titles of members of the Visiting Staff were changed as follows: George R. Minot, M. D., from "Director of the Thorndike Memorial Laboratory" to "Director of the Thorndike Memorial Laboratory, Director of Second Medical Service, Director of Fourth Medical Service"; Herbert H. Howard, M. D., from "Visiting Surgeon" to "Visiting Surgeon for Urology"; Donald Munro, M. D., from "Visiting Surgeon" to "Visiting Surgeon for Neurosurgery"; Augustus Riley, M. D., from "Assistant Visiting Surgeon" to "Assistant Visiting Surgeon for Urology." "The titles of the Neurological Department have been changed by striking out the words, "Physicians for Neurology" and inserting the word, "Neurologists."

ASSISTANTS TO THE VISITING STAFF.

The following temporary appointments were made for the term of one year:

To the position of Assistant in Medicine: Beginning January 1, 1930: William B. Castle, M. D., Wheelan D. Sutliff, M. D., Stacey R. Mettier, M. D., Arthur A.

Marlow, M. D., Richard T. Beebe, M. D., Albert G. Young, M. D., Maxwell Finland, M. D., George E. Lewis, M. D., Laurence B. Ellis, M. D., Clark Heath, M. D., I. R. Jankelson, M. D., Samuel Morein, M. D.

Beginning April 18, 1930: Morton S. Stern, M. D., to succeed Herbert S. Saver, M. D., in teaching service for the First Medical Service.

On March 7, the service of Norman A. Welch, M. D., as Assistant in Medicine was ended by his appointment to the position of Junior Visiting Physician, and on June 20, the services of Bernard I. Goldberg, M. D. and Laurence B. Ellis, M. D. were ended by their appointment to the position of Junior Visiting Physician.

Abraham L. Pierson, M. D., Assistant to the Third Medical Service for Special teaching work, left in March, 1930, and Harry Freeman, M. D., became Assistant to the Third Medical Service for the term, March to July, 1930.

To the position of Assistant in Surgery: Beginning February 1, 1930: Herbert G. Dunphy, M. D.

Beginning March 1, 1930: J. William Burke, M. D., Irving W. Parkhurst, M. D.

Beginning April 1, 1930: Thomas H. Peterson, M. D., (for the Sixth Surgical Service).

Beginning May 1, 1930: Henry R. Gilbert, M. D.

Beginning November 1, 1930: John E. Hopkins, M. D.

To the position of Assistant in Gynecology and Obstetrics: David Rose, M. D., beginning January 1, 1930.

To the position of Assistant in Neurology: H. Houston Merritt, M. D., beginning January 1, 1930.

To the position of Assistant in Dermatology: Fred N. J. Dubé, M. D., beginning June 6, 1930. Doctor Dubé served only for the period of a month.

PUBLICATIONS OF THE STAFF.

Following is a list of the publications of the Hospital Medical and Surgical Staff during the year 1930:

"Agranulocytic — Purpuric — Hemorrhagic Reaction After Neo-Arsphenamine," by Bernard Appel, M. D. *Urologic and Cutaneous Review*, February, 1930.

"The Effect of Irradiated Ergosterol on the Composition of Gastric and Pancreatic Juices," by Walter Bauer, M. D., Alexander Marble, M. D. and Stephen Maddock, M. D. *American Journal of Medical Sciences*, Vol. 181, p. 399, March, 1931.

"Early Changes Produced in Dogs by the Injections of a Sterile Active Extract from the Anterior Lobe of the Hypo-

physis," by E. B. Benedict, M. D., T. J. Putnam, M. D., and H. M. Teel, M. D. *American Journal of Medical Science*, Vol. CLXXIX, No. 4, p. 489, April, 1930.

"Gall Bladder Surgery," by Horace Binney, M. D. *Journal of the National Medical Association*, January-March, 1930.

"Reciprocal Beating of the Heart; an Electrocardiographic and Pharmacological Study," by H. L. Blumgart, M. D., and S. L. Gargill, M. D. *American Heart Journal*, Vol. 5, p. 424, April, 1930.

"The Dynamics of the Circulation in Patients with Coarctation of the Aorta," by H. L. Blumgart, M. D., J. S. Lawrence, M. D., and A. C. Ernstene, M. D. Proceedings of the XXII Annual Meeting of American Society of Clinical Investigation, Atlantic City, May 5, 1930; *Journal of Clinical Investigation*, Vol. 9, p. 14, August, 1930.

"Studies on the Velocity of Blood Flow, XIII. The Circulatory Response to Thyrotoxicosis," by H. L. Blumgart, M. D., S. L. Gargill, M. D., and D. R. Gilligan, M. D. *Journal of Clinical Investigation*, Vol. 9, p. 69, August 20, 1930.

"Studies on the Velocity of Blood Flow, XIV. The Circulation in Myxedema with a Comparison of the Velocity of Blood Flow in Myxedema and Thyrotoxicosis," by H. L. Blumgart, M. D., S. L. Gargill, M. D., and D. R. Gilligan, M. D., published in the *Journal of Clinical Investigation*, Vol. 9, p. 91, August 20, 1930.

"Emergency Surgery," by Joseph H. Burnett, M. D. *The Apollonian*, July, 1930.

"Functions of the Radiological Department of a Large Municipal Hospital," by P. F. Butler, M. D. *American Journal of Surgery*, May, 1930.

"Further Observations on the Aetiological Relationship of Achylia Gastrica to Pernicious Anemia," by W. B. Castle, M. D. *Lancet*, Vol. 218, p. 1062, May 17, 1930.

"Further Observations on the Etiological Relationship of Achylia Gastrica to Pernicious Anemia," by W. B. Castle, M. D., W. C. Townsend, M. D., and C. W. Heath, M. D. Proceedings, XXII Annual Meeting of the American Society of Clinical Investigation, Atlantic City, May 5, 1930; *Journal of Clinical Investigation*, Vol. 9, p. 2, August, 1930.

"Observations on the Etiologic Relationship of Achylia Gastrica to Pernicious Anemia, III. The Nature of the Reaction Between Normal Human Gastric Juice and Beef Muscle Leading to Clinical Improvement and Increased Blood Formation Similar to the Effect of Liver Feeding," by W. B. Castle, M. D., W. C. Townsend, M. D., and C. W. Heath, M. D. *American Journal of Medical Science*, Vol. 180, p. 305, September, 1930.

"The Relief of Obstruction to the Circulation in a Case of Chronic Constructive Pericarditis," by Edward D. Churchill, M. D., with Paul D. White, M. D. *New England Journal of Medicine*, 202:165, January, 1930.

"Forced Drainage of the Central Nervous System—its Effect on the Blood and on the Cerebrospinal Fluid," by Stanley Cobb, M. D., with F. Fremont-Smith, M. D., and T. J. Putnam, M. D. *Archives of Neurology and Psychiatry*, 23:219, 1930.

"The Effects of Anemia on the Cerebral Cortex of the Cat," by Stanley Cobb, M. D., with E. Gildea, M. D. *Archives of Neurology and Psychiatry*, 23:876, 1930.

"Report of a Case of Progressive Athetosis with Lesions in the Basal Ganglia," by Stanley Cobb, M. D., with B. Crothers, M. D. *New England Journal of Medicine*, 203:213, 1930.

"Histopathology of Different Types of Electric Shock on Mammalian Brains," by Stanley Cobb, M. D., with L. R. Morrison, M. D. *Journal of Industrial Hygiene*, 12:324, 1930.

"Neurological Unit at the Boston City Hospital," by Stanley Cobb, M. D. *Bulletin of the Harvard Medical School Alumni Association*, October, 1930.

"The Nature of the Material Effective in Pernicious Anemia," IV, by E. J. Cohn, M. D., T. L. McMeekin, M. D., and G. R. Minot, M. D. *Journal of Biological Chemistry*, 87:49, 1930.

"The Nature of the Substance Effective in Pernicious Anemia," by E. J. Cohn, M. D., T. L. McMeekin, M. D., and G. R. Minot, M. D. *Transaction of Association of American Physicians*, 45:343, 1930.

"Primary Torsion of the Great Omentum," by Emilio D'Errico, M. D. *New England Journal of Medicine*, December 11, 1930.

"London and Copenhagen," by John G. Downing, M. D. *New England Journal of Medicine*, Vol. 203, No. 17, pp. 848–853, October 23, 1930.

"Cavernous Hemangioma Trauma," report of a case by John G. Downing, M. D., and G. K. Mallory, M. D. *Archives of Dermatology and Syphilology*, September, 1930, pp. 414–422.

"Biological Abstracts," published by the University of Pennsylvania, 1930; Albert Ehrenfried, M. D., collaborator.

"The Local and Systemic Effects of Arterio-Venous Fistula on the Circulation in Man," by L. B. Ellis, M. D., and Soma Weiss, M. D. *American Heart Journal*, 5:635, June, 1930.

"Serum Pigmentation and Kinetics of the Latent Jaundice of Lobar Pneumonia," by Norman W. Elton, M. D. *Journal of the Detroit College of Medicine and Surgery*, 2:34, July, 1930. (Report of work in progress.)

"Erythrocyte Sedimentation, Plasma Fibrinogen and Leukocytosis as Indices of Rheumatic Infection," by A. C. Ernstene, M. D. *American Journal of Medical Science*, Vol. 180, p. 12, July, 1930.

"Orthopnea, its Relation to the Increased Venous Pressure of Myocardial Failure," by A. C. Ernstene, M. D., and H. L. Blumgart, M. D. *Archives of Internal Medicine*, Vol. 45, p. 593, April, 1930.

"The Significance of Sinus Arrhythmia in Old People," by James M. Faulkner, M. D. *American Journal of Medical Sciences*, July, 1930, Vol. CLXXX, p. 42.

"Stokes-Adams Syndrome in Rheumatic Fever: Report of a Case," by James M. Faulkner, M. D. *New England Journal of Medicine*, Vol. 202, p. 1252, June 26, 1930.

"The Serum Treatment of Lobar Pneumonia," by M. Finland, M. D. *New England Journal of Medicine*, 202:1244, June 26, 1930.

"A Clinical and Pathological Study of Chronic Myocarditis" by Greene FitzHugh, M. D. *New England Journal of Medicine*, Vol. 203, No. 5, pp. 201-208, July 31, 1930.

"Red Blood Cell Size in Anemia, its Value in Differential Diagnosis," by Greene FitzHugh, M. D. with W. P. Murphy, M. D. *Archives of Internal Medicine*, Vol. 46, pp. 440-457, September, 1930.

"The Synovial Fluid in Health and Disease with Special Reference to Arthritis," by C. E. Forkner, M. D. *Journal of Laboratory and Clinical Medicine*, 15:1178, September, 1930.

"Primary Carcinoma of the Lung," by Maurice Fremont-Smith, M. D., with J. Lerman, M. D., and P. D. Rosahn, M. D. *New England Journal of Medicine*, Vol. 203, No. 10, pp. 473-477, September 4, 1930.

"Forced Drainage of the Central Nervous System. Its Effect on the Blood and on the Cerebrospinal Fluid," by Frank Fremont-Smith, M. D., T. J. Putnam, M. D., and Stanley Cobb, M. D., with technical assistance of M. E. Dailey, A. B., M. A. Carroll, A. B., and C. Stephenson, A. B. *Archives of Neurology and Psychiatry*, Vol. 23, pp. 219-226, February, 1930.

"Metabolism and Treatment of Osteomalacia, its Relation to Rickets," by S. L. Gargill, M. D., D. R. Gilligan, M. D., and H. L. Blumgart, M. D. *Archives of Internal Medicine*, 45:879, June, 1930.

"Madura Foot Due to *Monosporium Apiospermum* in a Native American," by Douglas M. Gay, M. D., and James B. Bigelow, M. D. *American Journal of Pathology*, Vol. 6, p. 325, 1930.

"Experimental Combine System Disease," by Edwin F. Gildea, M. D., E. G. Kattwinkel and W. B. Castle, M. D. *New England Journal of Medicine*, 202:523, March 13, 1930.

"Studies of Diseases of the Lymphoid and Myeloid Tissues. 1. The Clinical Metabolism of Normal and Pathological Lymph Nodes," by Eugene C. Glover, M. D., with Henry Jackson, Jr., M. D., and Frederic Parker, Jr., M. D. *Journal of Experimental Medicine*, 52:547, October 1, 1930.

"The Metabolism of Normal and Leukemic Leukocytes," by Eugene C. Glover, M. D., with Geneva A. Daland, S. B., and Henry L. Schmitz, M. D. *Archives of Internal Medicine*, Vol. 46, pp. 46-66, July, 1930.

"Cholecystography," by Bernard I. Goldberg, M. D., in collaboration with S. A. Robbins, M. D. *New England Journal of Medicine*, July 13, 1929.

"Forceps, Version or Cæsarean Section?" by Frederick L. Good, M. D. *New England Journal of Medicine*, August 21, 1930.

Text of "Warren's Handbook of Anatomy," by Robert M. Green, M. D., published by Harvard University Press, October, 1930.

"Lattice Keratitis—Studies of Four Cases Observed in One Family," by Allen Greenwood, M. D., professional volume of the Academy of Ophthalmology and Oto-laryngology.

"The Life of the Reticulocytes: Experiments on their Maturation," by C. W. Heath, M. D., and G. A. Daland, *Archives of Internal Medicine*, 46:533, September, 1930.

"The Electric Charge of Mosaic Virus Particles," by Donald C. Hoffman, M. D., with Peter K. Olitsky, M. D. *Proceedings of the Society of Experimental Biology and Medicine*, 1930, XXVII, p. 378.

"The Mechanism of Enhancement of Infections by Testicle Extract," by Donald C. Hoffman, M. D., with F. Duran-Reynals, M. D. *Science*, 1930, LXXII, No. 1872, p. 508.

"Progress in Urology, 1928-1929," by Herbert H. Howard, M. D. *New England Journal of Medicine*, January 16, 1930.

"Studies of Diseases of the Lymphoid and Myeloid Tissues. 1. The Clinical Metabolism of Normal and Pathological Lymph Nodes," by Henry Jackson, Jr., M. D., with Frederic Parker, Jr., M. D., and Eugene C. Glover, M. D. *Journal of Experimental Medicine*, 52:547, October 1, 1930.

"Studies of Diseases of the Lymphoid and Myeloid Tissues. 2. Plasmacytomata and their Relation to Multiple Myelomata," by Henry Jackson, Jr., M. D., with Frederic Parker, Jr., M. D. *Transactions of the Association of American Physicians*, 45:387, 1930.

"The Abolition of Diabetic Coma in the United States," by Elliott P. Joslin, M. D. *The Journal of the Indiana State Medical Association*, Vol. XXIII, pp. 57-63, February 15, 1930.

"Arteriosclerosis in Diabetes," by Elliott P. Joslin, M. D. *Annals of Internal Medicine*, Vol. 4, No. 1, pp. 54-66, July, 1930.

"Prosthetic Restoration of Deformities of Face and Jaw," A. "Cleft Palates." B. "Acquired Deformities of the Maxilla." C. "Acquired Deformities of the Mandible." D. "Nasal Deformities," by V. H. Kazanjian, M. D., D. M. D. *Prosthetic Dentistry*, Chapter XXVIII, pp. 471-525, by Ira G. Nichols.

"Variations in the Number of White Blood Cells in Dogs following Eck Fistula," by J. S. Lawrence, M. D., and Stephen J. Maddock, M. D. *Archives of Pathology*, 9:461, February, 1930.

"Studies in Epilepsy, IX. The Sugar Content of the Special Fluid," by W. G. Lennox, M. D., and M. B. Allen. *Archives of Neurology and Psychiatry*, 23:521, March, 1930.

"Studies in Epilepsy, X. The Chloride Content of the Blood and Spinal Fluid," by William G. Lennox, M. D., and M. B. Allen. *Archives of Neurology and Psychiatry*, 23:525, March, 1930.

"Observations Concerning Cerebral Circulation in Man," by William G. Lennox, M. D., E. Leonhardt and A. Buist, Proceedings of the XXII Annual Meeting of the American Society of Clinical Investigation. *Journal of Clinical Investigation*, 9:16, August, 1930.

"Arterial Embolism and Embolectomy," paper by Jacob Lerman, M. D., F. R. Miller, M. D., and C. C. Lund, M. D. *Journal of the American Medical Association*, Vol. 94, pp. 1128-1133, April 12, 1930.

"Acute Empyema," by Edwin A. Locke, M. D. *New England Journal of Medicine*, 203:9 pp. 391-398, August 28, 1930.

"Fifty Years of the American Surgical Association," by Fred B. Lund, M. D. *Annals of Surgery*, Vol. 92, No. 4, October, 1930.

"Vulvo Vaginitis in Children," by Frederick J. Lynch, M. D. *New England Journal of Medicine*, June 26, 1930.

"Case Reports of Interesting Oral Lesions," by Francis P. McCarthy, M. D. *Apollonian*, January, 1930.

"Histological Changes in the Renal Glomerulus in Essential (primary) Hypertension," a study of fifty-one cases by Leone McGregor, M. D. *American Journal of Pathology*, Vol. 6, p. 347, 1930.

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INDEX TO NAMES APPEARING AS CO-AUTHORS IN THE BIBLIOGRAPHY.

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- Bigelow, J. B. (See publication with Gay, D. M.)
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- Zetzel, L. (See publication with Vaughan, J. M.)

ADDRESSES OF THE STAFF.

Following is a list of addresses and lectures made by members of the Hospital Medical and Surgical Staff during the year 1930:

"Female Pelvic Roentgenography, Use of Opaque Media for Intra-Uterine Injections for Gynecological and Obstetrical Diagnosis," illustrated with lantern slides, address by Benedict F. Boland, M. D., before the Staff of the Harley Hospital, Dorchester, Mass., May 13, 1930.

"Fractures of the Carpal Scaphoid," address by Joseph H. Burnett, M. D., before the Belmont Medical Society, October 24, 1930.

"Requirement of a Department of Radiology in a Large Municipal Teaching Hospital," address by P. F. Butler, M. D., before the Congress on Medical Education, Medical Licensure and Hospitals, American Medical Association, Chicago, Ill., February 18, 1930.

"Roentgen Diagnosis of Tumors Outside the Gastro-Intestinal Tract," address by P. F. Butler, M. D., before the American Roentgen Ray Society, West Baden, Ind., September 20, 1930.

"Treatment of Anemia," address by William B. Castle, M. D., at the Faulkner Hospital, Boston, Mass., January 2, 1930.

"The Relation of Achylia Gastrica to the Causation of Pernicious Anemia," address by William B. Castle, M. D., before the Department of Physiology, Boston University, Boston, Mass., January 10, 1930.

"Some Aspects of the Treatment of Anemia," address by William B. Castle, M. D. (with George R. Minot, M. D., as co-author), before the Tri-States Medical Association of Mississippi, Arkansas, Tennessee; Memphis, Tenn., January 15, 1930.

"The Relationship of Gastrointestinal Pathology to Anemia," address by William B. Castle, M. D., before the Roxbury Clinical Record Club, Boston, Mass., February 11, 1930.

"The Relationship of Achylia Gastrica to the Causation of Pernicious Anemia," address by William B. Castle, M. D., before the Providence Medical Association, Providence, R. I., March 3, 1930.

"Observations on the Hematopoietic Functions of the Normal Human Stomach," address by William B. Castle, M. D., before the Physiological Conference, Boston University, April 2, 1930.

"Fundamental Principles of Adequate Nutrition," address by William B. Castle, M. D., before the Rhode Island Dietetics Association, Providence, R. I., April 10, 1930.

"Dietetic Anemia and Allied Conditions," address by William B. Castle, M. D., before the New England Health Institute, Boston, Mass., April 15, 1930.

"Further Observations on the Etiological Relationship of Achylia Gastrica to Pernicious Anemia," address by William B. Castle, M. D., with W. C. Townsend, M. D., and C. W. Heath, M. D., before the American Society for Clinical Investigation, Atlantic City, N. J., May 5, 1930.

"Presentation of the Gold Medal of the National Institute of Social Sciences to Dr. George R. Minot," address by William B. Castle, M. D., at the National Institute of Social Sciences, New York City, May 8, 1930.

"Etiology of Pernicious Anemia," address by William B. Castle, M. D., before the American Academy of Arts and Sciences, Boston, Mass., May 14, 1930.

"The Relationship of Gastrointestinal Pathology to Anemia," address by William B. Castle, M. D., before the Medical Society of New York, Rochester, N. Y., June 3, 1930.

"The Anemias of Achlorhydria," address by William B. Castle, M. D., at the Physicians Hospital of Plattsburg, New York, July 30, 1930.

"The Relationship of Diseases of the Digestive Tract to Anemia," address by William B. Castle, M. D., before the Interstate Post Graduate Clinic of North America, Minneapolis, Minn., October 22, 1930.

"The Etiology of Pernicious Anemia," address by William B. Castle, M. D., before the School of Medicine, University of Wisconsin, Madison, Wis., October 25, 1930.

"The Nature and Treatment of Anemias," address by William B. Castle, M. D., before the Post Graduate Clinic, Central Maine General Hospital, Lewiston, Me., November 14, 1930.

"The Etiology of Pernicious Anemia," address by William B. Castle, M. D., before the Academy of Medicine, Richmond, Va., November 25, 1930.

"Deficiency Diseases in Relation to Anemias," address by William B. Castle, M. D., before the School of Medicine and Hospital, Duke University, Durham, N. C., November 27, 1930.

"The Etiology of Pernicious Anemia," address by William B. Castle, M. D., at the Staff Meeting, Rockefeller Institute, New York City, December 5, 1930.

"The Coexistence of Myxedema and Pernicious Anemia," address by William B. Castle, M. D. (with J. H. Means, M. D., and J. Lerman, M. D., as co-authors), before the Association of American Physicians, Atlantic City, N. J., May 7, 1930.

"Surgery of the Pericardium," address by Edward D. Churchill, M. D., before the Wisconsin Clinical Surgical Club, Boston City Hospital, February 5, 1930.

"Chest Surgery," address by Edward D. Churchill, M. D., before the Springfield Academy of Medicine, Springfield, Mass., March 27, 1930.

"Chest Surgery," address by Edward D. Churchill, M. D., before the House of Mercy Hospital, Pittsfield, Mass., April 2, 1930.

"Surgery of the Pericardium," address by Edward D. Churchill, M. D., before the American Physicians, Atlantic City, N. J., May 6, 1930.

"Decortication of the Heart for Adhesive Pericarditis," address by Edward D. Churchill, M. D., before the Presbyterian Medical Center, June 6, 1930.

"Histopathology of Different Types of Electric Shock on Mammalian Brains," paper read by Stanley Cobb, M. D., before the American Neurological Association, June, 1930.

"Thyroid Diseases," address by Robert C. Cochrane, M. D., before the Malden Training School, February 27, 1930.

"The Nature of the Material Effective in Pernicious Anemia," address by E. J. Cohn, M. D. (with T. L. McMeekin, M. D., and G. R. Minot, M. D., as coauthors), before the American Society of Biological Chemistry, Chicago, Ill., April, 1930; and before the Association of American Physicians, Atlantic City, N. J., May 6, 1930.

"Jaundice, as a Symptom," paper read by Louis F. Curran, M. D., before the South Boston Medical Society, November, 1930.

"Fracture Treatment — Report Fracture Committee," address by Frederic J. Cotton, M. D., before the American College of Surgeons, Worcester, Mass., January 6, 1930.

"Report on Fractures," address by Frederic J. Cotton, M. D., before the American College, National Fracture Committee, New York, N. Y., January 10, 1930.

"Medical Jurisprudence," address by Frederic J. Cotton, M. D., at Tufts College, January 15, 1930.

"Clinic at the Boston City Hospital," address by Frederic J. Cotton, M. D., before the Wisconsin Clinical Surgical Society, February 5, 1930.

"Osteitis and the Borderline Tumors," address by Frederic J. Cotton, M. D., before the Arlington Doctor's Club, Arlington, Mass., February 11, 1930.

"Borderline Tumors," address by Frederic J. Cotton, M. D., before the New England Roentgen Ray Society, Boston, Mass., February 21, 1930.

"Physiotherapy," address by Frederic J. Cotton, M. D., before the Posse Institute, Boston, Mass., March 19, 1930.

"Non Union of Fractures — Technique of Graft Operations," address by Frederic J. Cotton, M. D., before the Northern Tri-State Medical Society, Fort Wayne, Indiana, April 8, 1930.

"Clinic at the Boston City Hospital," address by Frederic J. Cotton, M. D., before the Buffalo Surgical Society, April 11, 1930.

"Osteomyelitis," address by Frederic J. Cotton, M. D., before the Rutland County Medical and Surgical Society at Rutland, Vt., April 15, 1930.

"Treatment of Injuries in Hospitals," address by Frederic J. Cotton, M. D., before the New Hampshire State Medical Society, Concord, N. H., May 13, 1930.

"Boston City Hospital Clinical Demonstration," address by Frederic J. Cotton, M. D., before the American Orthopedic Association, June 18, 1930.

"Bone Grafting — Cancer," address by Frederic J. Cotton, M. D., before the Springfield Medical Association, Springfield, Mass., September 9, 1930.

"Osteitis Fibrosa — Relation of Fractures and Injuries to Bone Tumors," address by Frederic J. Cotton, M. D., before the Bloodgood Clinic, Baltimore, Md., September 17, 1930.

"Notes on Tumors and Near Tumors of Bone," address by Frederic J. Cotton, M. D., before the Annual Meeting of the New England Surgical Society, Boston, Mass., September 26, 1930.

"Physiotherapy of Fresh Fractures," address by Frederic J. Cotton, M. D., before the American Academy of Physical Therapy, Boston, Mass., October 22, 1930.

"The Crippled Child," radio talk by Frederic J. Cotton, M. D., at the American College of Surgeons, Philadelphia, Pa., October 15, 1930.

"Compound Injuries," address by Frederic J. Cotton, M. D., at a meeting of the American College of Surgeons, Philadelphia, Pa., October 15, 1930.

"Volkmann's Paralysis," discussion by Frederic J. Cotton, M. D., before the Faulkner Hospital Staff, Jamaica Plain, Mass., December 4, 1930.

"Treatment of Compound Fractures," address by Frederic J. Cotton, M. D., before the Boston Orthopedic Club, Boston, Mass., December 8, 1930.

"Treatment of Idiopathic Purpura Hemorrhagies with Special Reference to the Control of Uterine and Other Hemorrhagies, in these Cases," address by G. W. Dickinson, M. D., before the American Academy of Physiotherapy, November 14, 1930.

"Therapeutic Application of Galvanism in Some Important Pathological Conditions," address by G. W. Dickinson, M. D., before the New England Physical Therapy Society, December 17, 1930.

"Pneumonia," paper submitted by G. W. Dickinson, M. D., to the American College of Physicians, August, 1930.

"The Opportunities of the Municipal Hospital," address by John J. Dowling, M. D., before the New England Health Institute, Boston, Mass., April 17, 1930.

"Principals of Dermatology," lectures by John G. Downing, M. D., before the nurses at St. Elizabeth's Hospital, January, 1930; before the nurses at The Chelsea Memorial Hospital, February, 1930; and before the nurses at St. Margaret's Hospital, April, 1930.

"Surgical Measures in the Treatment of Lung Tuberculosis," address by Albert Ehrenfried, M. D., before the staff meeting of the Sanatorium Division of The Boston City Hospital, October 29, 1930.

"The Rational Treatment of Arterial Hypertension," address by Laurence B. Ellis, M. D., with Soma Weiss, M. D., before the Section on Pharmacology and Therapeutics at the Eighty-first Annual Session of the American Medical Association, Detroit, Mich., June 25, 1930.

"The Circulatory Mechanism and Unilateral Edema in Cerebral Hemiplegia," address by Laurence B. Ellis, M. D., with Soma Weiss, M. D., as coauthor, before the American Society for Clinical Investigation, Atlantic City, N. J., May 5, 1930.

"Serum Pigmentation Studies," including (a) "General survey of incidence of latent jaundice, (b) Technic, correlation and interpretation of the icterus Index, van den Bergh reaction and quantitative bilirubin, (c) Traumatic and Post-operative Icterus (latent) Post-operative Liver function, (d) Kinetics of the Latent Jaundice of lobar pneumonia in the white and black races," by Norman W. Elton, M. D., Scientific Exhibit, Eighty-first Annual Session, American Medical Association, Booth 703, Detroit, Mich., June 3, 1930.

"The Management of the Cardiac Patient in Surgical Operations," address by James M. Faulkner, M. D., before the New Bedford Medical Society, February 10, 1930.

"Report of a Case of Stokes-Adams Syndrome in Rheumatic Fever," address by James M. Faulkner, M. D., before the New England Heart Association at the Good Samaritan Hospital, Boston, Mass., May 15, 1930.

"Nerves and Nervous Diseases," by Maurice Fremont-Smith, M. D., lecture under auspices of Harvard Medical School, January 26, 1930.

"Neurology in General Medicine," lecture by Maurice Fremont-Smith, M. D., before the Springfield Academy of Medicine, March 21, 1930.

"The Problem of Neurosis," lecture by Maurice Fremont-Smith, M. D., before the Union Maternal Association, Roxbury, Mass., May 8, 1930.

"The Problem of Neurosis," lecture by Maurice Fremont-Smith, M. D., before the Wakefield Mothers' Club, September 8, 1930; before the Mothers' and Teachers' Guild, Harvard Church, Brookline, Mass., November 6, 1930; and before the Forest Hills Hospital, Jamaica Plain, Mass., December 18, 1930.

"Forceps, Version or Cæsarean Section?" by Frederick L. Good, M. D., paper read before the Massachusetts Medical Society at Plymouth, Mass., June, 1930.

"Lattice Keratitis — Studies of Four Cases in One Family," by Allen Greenwood, M. D., paper read before the American Academy of Ophthalmology and Oto-Laryngology, Chicago, Ill., October 27, 1930.

"Heart Defects in Relation to Pregnancy," by Burton E. Hamilton, M. D., public lecture, Harvard Medical School, Boston, Mass., February 23, 1930.

"Thyroid Heart," address by Burton E. Hamilton, M. D., combined meeting of Manchester Medical Association and New England Heart Association, at Manchester, N. H., March 11, 1930.

"The Heart — Its Function and Disorders," address by Burton E. Hamilton, M. D., before the Young Men's Christian Association, March 17, 1930.

"Heart Disease in Relation to Pregnancy," address by Burton E. Hamilton, M. D., before the Norfolk District Medical Society, Boston, Mass., March 24, 1930.

"Clinical Aspects of Certain Rare Cardiac Disorders," address by Burton E. Hamilton, M. D., before the Brockton Medical Society, Brockton, Mass., April 10, 1930.

"Heart Disease Complicating Pregnancy," address by Burton E. Hamilton, M. D., before the New England Health Institute, Boston City Hospital, April 15, 1930.

"Prenatal Care of Cardiacs," address by Burton E. Hamilton, M. D., before the New England Health Institute, Boston Lying-in-Hospital, April 16, 1930.

"Thyroid Hearts," address by Burton E. Hamilton, M. D., before the Bristol North District Medical Society at Taunton, Mass., April 17, 1930.

"Some Clinical Aspects of Rare Heart Disorders," address by Burton E. Hamilton, M. D., before the Worcester Practitioners' Club, Worcester, Mass., April 22, 1930.

"The Heart — Its Function and Disorders," address by

Burton E. Hamilton, M. D., before the Boston School of Occupational Therapy, Boston, Mass., June 6, 1930.

"Clinical Aspects of Heart Failure," address by Burton E. Hamilton, M. D., before the Tully Medical Society at Athol, Mass., October 21, 1930.

"Observations on Reticulocytes," address by Clark W. Heath, M. D., before the Boston Society of Biologists, Boston, Mass., December 3, 1930.

"Further Observations on the Etiological Relationship of Achylia Gastrica to Pernicious Anemia," address by Clark W. Heath, M. D. (with W. B. Castle, M. D., and W. C. Townsend, M. D., as co-authors), at the American Society for Clinical Investigation, Atlantic City, N. J., May 5, 1930.

"Acute and Chronic Inflammations of the Prostate, The Obstructing Prostate — Their Methods of Diagnosis and Treatment," address by Herbert H. Howard, M. D., at the Norwood Hospital, April 10, 1930.

"What the General Practitioner Should Know about Urology," address by Herbert H. Howard, M. D., at the Framingham Union Hospital, November 4, 1930.

"Urology in Its Relation to Dentistry," address by Herbert H. Howard, M. D., before the Boston City Hospital Oral Surgery Department at the Copley Square Hotel, December 10, 1930.

"Diverticulitis of the Bladder," address by Herbert H. Howard, M. D., before the American Urological Association, June, 1930.

"The Diagnosis and Treatment of Malignant Lymphoma," address by Henry Jackson, Jr., M. D., before the Associated Roentgen Societies, January 24, 1930.

"Cancer," lecture by Henry Jackson, Jr., M. D., before the Committee of Public Lectures, Harvard Medical School, March 23, 1930.

"Biological Aspects of Cancer," address by Henry Jackson, Jr., M. D., before the Massachusetts General Hospital Staff Meeting, November 13, 1930.

"Treatment of Hodgkin's Disease," address by Henry Jackson, Jr., M. D., before the Academy of Physiotherapy, November 14, 1930.

"Diseases Associated with Grossly Abnormal Blood Cell Pictures," address by Henry Jackson, Jr., M. D., before the C. P. Huntington Memorial Hospital Staff Meeting, November 19, 1930.

"The Anemia of Cancer," address by Henry Jackson, Jr., M. D., before the Pondville Hospital Staff Meeting, December 4, 1930.

"Diabetes," address by Elliott P. Joslin, M. D., before the American College of Physicians, Minneapolis, Minn., February 12, 1930.

"Diabetes," address by Elliott P. Joslin, M. D., before the Wisconsin Surgical Club, Milwaukee County Medical Society, February 14, 1930.

"Diabetic Children," address by Elliott P. Joslin, M. D., at the Fifth Avenue Hospital, New York City, February 26, 1930.

"The End Results of Patients Undergoing Treatment between 1898 and 1929," address by Elliott P. Joslin, M. D., before the New York Academy of Medicine, March 18, 1930.

"Wandering Diabetic Nurses," address by Elliott P. Joslin, M. D., before the New England Health Institute, April 18, 1930.

"Diabetes, Its Treatment and Prevention," address by Elliott P. Joslin, M. D., Public Health Radio Talk over WBZA, May 1, 1930.

"Diabetes in Medicine and Surgery," address by Elliott P. Joslin, M. D., before the Columbus Society of Internal Medicine, Columbus, Ohio, May 3, 1930.

"Diabetes, Its Treatment and Prevention," address by Elliott P. Joslin, M. D., before the Gorgas Memorial Institute, May 9, 1930.

"End Results of Diabetic Patients Undergoing Treatment between 1898 and 1929," address by Elliott P. Joslin, M. D., before the Yale Medical Alumni, New Haven, Conn., June 16, 1930.

"Diabetes," address by Elliott P. Joslin, M. D., before the Montour County Medical Society, Danville, Pa., June 20, 1930, before the Diabetic Camp for Children, Cleveland, Ohio, August 3, 1930, and before the New York Medical Association, October 7, 1930.

"Unclassified Glycosurias — Their Significance and Outcome," address by Elliott P. Joslin, M. D., before the Interstate Post Graduate Medical Assembly, Minneapolis, Minn., October 24, 1930.

"The Carbohydrates in the Body," address by Elliott P. Joslin, M. D., before the William Harvey Society, Beth Israel Hospital, Boston, Mass., December 12, 1930.

"Plastic Surgery of the Nose and Face," lecture by V. H. Kazanjian, D. M. D., M. D., before the Eye, Ear, Nose and Throat Club, Worcester, Mass., January 15, 1930.

"Treatment of Face and Jaw Injuries, Military and Civilian," lecture by V. H. Kazanjian, D. M. D., M. D., before the Newport Medical Society, United States Naval Hospital, Newport, R. I., February 13, 1930.

"Prosthetic Restoration Following Deformities of Face and Jaws," lecture by V. H. Kazanjian, D. M. D., M. D., before the Portland Dental Society, Portland, Me., March 12, 1930.

"Treatment of Acute Infections of the Mouth," lecture by V. H. Kazanjian, D. M. D., M. D., before the Metropolitan District Dental Society, Boston, Mass., April 16, 1930.

"Treatment of Acute Infections of the Mouth," lecture by V. H. Kazanjian, D. M. D., M. D., before the Virginia State Dental Association, Richmond, Va., May 12, 1930.

"Osteomyelitis of the Jaw," lecture by V. H. Kazanjian, D. M. D., M. D., before the Vermont Dental Society, Burlington, Vt., May 21, 1930.

"Reconstructive Surgery, with Especial References to Facial Deformities," lecture by V. H. Kazanjian, D. M. D., M. D., before the Springfield Academy of Medicine, Springfield, Mass., November 11, 1930.

"Treatment of Deformities of the Face and Jaw," lecture by V. H. Kazanjian, D. M. D., M. D., before the Table Clinic, Greater New York Dental Society, New York City, N. Y., December 2, 3 and 4, 1930.

"The Treatment of Anemia," address by Chester S. Keefer, M. D., before the United States Naval Hospital, Newport, R. I., November 20, 1930.

"Sepsis," address by Arthur R. Kimpton, M. D., before the Newton Medical Society, Newton Hospital, Newton, Mass., April, 1930.

"Cancer of Breast," address by Arthur R. Kimpton, M. D., before the Staff Meeting, Massachusetts Memorial Hospital, May, 1930.

"Acute Empyema," address by Edwin A. Locke, M. D., before the American Climatological and Clinical Association, Quebec, Can., May 13, 1930.

"Fifty Years of the American Surgical Association," presidential address by Fred B. Lund, M. D., before the American Surgical Society, May 15, 1930.

"Bilateral Femoral Embolectomy," case report by Charles C. Lund, M. D., before the New England Surgical Society, September 27, 1930.

"The Fischer-Wasel Treatment of Cancer with Carbon Dioxide and Oxygen," address by Charles C. Lund, M. D., before the Staff Meeting, Massachusetts General Hospital, November 13, 1930.

"Weight and the Prognosis of Cancer," address by Charles C. Lund, M. D., before the Staff Meeting, Huntington Memorial Hospital, December 12, 1930.

"So-Called Chronic Appendicitis," radio talk by Charles C. Lund, M. D., over Station WBZA, under the auspices of the Massachusetts Department of Health, December 10, 1930.

"Obstetrical and Gynecological subjects," addresses by Frederick J. Lynch, M. D., before the Hampden District Medical Society, October 22, 1929; before the Norfolk South District Medical Society, December 5, 1929; before the Worcester District Medical Society, January 2, 1930; before the Essex North District Medical Society, January 8, 1930; before the Plymouth District Medical Society, January 16, 1930; before the Northampton Medical Society, February 12, 1930;

before the Malden Medical Society, February 18, 1930; before the Essex South District Medical Society, March 5, 1930; before the Webster Medical Club, April 16, 1930; and before the Norwood Medical Society, November 13, 1930.

"Oral Diagnosis, Its Importance in Constitutional Diseases," address by Francis P. McCarthy, M. D., before the Norfolk South Medical Society, February 6, 1930.

"Oral Diagnosis," address by Francis P. McCarthy, M. D., before the Hartford Dental Society, Hartford, Conn., February 10, 1930.

"Mouth Lesions," address by Francis P. McCarthy, M. D., before the Attleboro Medical and Dental Society, March 11, 1930.

"The Oral Manifestations of Various Dermatoses," address by Francis P. McCarthy, M. D., before the Forsyth Dental Internes, March 14, 1930.

"Serological Tests in the Diagnosis of Syphilis," address by Francis P. McCarthy, M. D., before the Forsyth Dental Internes, March 28, 1930.

"Clinics with Lectures, Diseases of the Oral Cavity," address by Francis P. McCarthy, M. D., before the Rhode Island Dental Society, Providence, R. I., March 24, 31 and April 7, 1930.

"Focal Infection in the Mouth," address by Francis P. McCarthy, M. D., before the New England Public Health Institute, April 15, 1930.

"Oral Diagnosis," address by Francis P. McCarthy, M. D., before the Brockton Dental Society, May 1, 1930.

"Diagnosis, Pathology and Treatment of Diseases of the Mouth," address by Francis P. McCarthy, M. D., before the Maine Dental Society, June 20, 1930.

"The Diagnosis and Treatment of Oral Diseases," address by Francis P. McCarthy, M. D., before the Chelsea and Revere Medical and Dental Society, May 21, 1930.

"Oral Manifestations of Various Dermatoses and Constitutional Disease," address by Francis P. McCarthy, M. D., before the Italian Medical Society, June 9, 1930.

"Diagnosis and Treatment of Oral Diseases," address by Francis P. McCarthy, M. D., before the Valley District Dental Society, Greenfield, Mass., October 6, 1930.

"Diagnosis and Treatment of Mouth Lesions," address by Francis P. McCarthy, M. D., before the Essex Dental Society, Salem, Mass., November 6, 1930.

"Pathology of Process of Repair with Clinical Applications," address by Francis P. McCarthy, M. D., before the Boston City Hospital Physiotherapy Technicians, December 8, 1930.

"Focal Infection, a Review of Twenty Years," address by Francis P. McCarthy, M. D., before the St. Elizabeth's Hospital Staff, December 11, 1930.

"Electrosurgery of Accessible Growths," paper read by

William D. McFee, M. D., at the Convention of the New England Physical Therapy Society and American Physical Therapy Association, Boston, Mass., April 7, 1930.

"Physical Therapy in Orthopedic Conditions," paper of Dr. Harold D. Corbusier, discussed by William D. McFee, M. D., before the Section of Physical Therapy, Massachusetts Medical Society, Plymouth, Mass., June, 1930.

"Physical Therapy," lecture by William D. McFee, M. D., to post-graduate students at Boston City Hospital, August, 1930.

"The Scope of Physical Therapy," president's address by William D. McFee, M. D., at the Annual Convention of the American Academy of Physical Therapy, Boston, Mass., November 12, 1930.

"Modern Treatment of Accessible Growths," paper read by William D. McFee, M. D., at the Fifth International Congress of Physiotherapy at Liege, Belgium, September 16, 1930.

"Caesarian Section," address by Reginald D. Margeson, M. D., including moving pictures of "Transverse Caesarian Section," before the Malden Hospital, November 2, 1930; before the Hart Hospital, November 16, 1930; before the Chelsea Memorial Hospital, November 12, 1930.

"Toxemia of Pregnancy," address by Reginald D. Margeson, M. D., including moving pictures of "Transverse Caesarian Section," before the East Boston Medical Society, November 30, 1930; before the South Boston Medical Society, December 8, 1930; and at the Massachusetts Women's Hospital, December 9, 1930.

"Modern Advances in Obstetrics," address by G. Elliott May, M. D., before the Framingham Medical Club, at the University Club, Boston, Mass., October 8, 1930.

"The Treatment of Anemia," address by George R. Minot, M. D., before the South End Neighborhood Club, Boston, Mass., January 21, 1930.

"Treatment of Anemia," address by George R. Minot, M. D., before the Massachusetts Memorial Hospital, Boston, Mass., January 31, 1930; before the Wisconsin Clinical Surgical Club, Boston, Mass., February 5, 1930; before the Buffalo Surgical Society, Boston, Mass., April 11, 1930; before the Boston City Hospital Alumni, Boston, Mass., April 28, 1930; and before the Springfield Academy of Medicine, Springfield, Mass., October 14, 1930.

"Dietetic Anemia and Allied Conditions," address by George R. Minot, M. D., before the New England Health Institute, Boston, Mass., April 17, 1930.

Acknowledgment of award of gold medal to Doctor Minot and address: "The Treatment of Pernicious Anemia and the Importance of Food in Relation to Chronic Disease," before the National Institute of Social Sciences, New York City, May 6, 1930.

"The Sequence of Events which led to the Discovery of Liver Therapy in Pernicious Anemia," address by George R. Minot, M. D., before the Harvard Chapter of the Phi Beta Kappa Society, Cambridge, Mass., June 16, 1930.

"The Practical Importance of the Analysis of the Stool, Especially in Microscopic Appearance," address by George R. Minot, M. D., before the Hancock County Medical Society, Bar Harbor, Me., August 15, 1930.

"Development of the Harvard Medical School in the Past Twenty Years," address by George R. Minot, M. D., before the Class of 1908, Harvard University Dinner, Boston, Mass., November 14, 1930.

Acknowledgment of "The Popular Science Monthly Annual Award for the Advancement in Science of Greatest Value to the Public," awarded jointly to Dr. George R. Minot, and Dr. George H. Whipple of the University of Rochester, New York City, December 18, 1930.

"General Indications of X-Ray Therapy," address by Albert M. Moloney, M. D., delivered before the South Boston Medical Society, January 10, 1930.

"The Management of Gastric and Duodenal Ulcers, Including Perforated Ulcers and Hemorrhagic Ulcers," paper read by William R. Morrison, M. D., before the Framingham Medical Society, February 3, 1930.

"Herniae and Intestinal Obstruction," paper read by William R. Morrison, M. D., before the Nursing Staff of the Massachusetts Women's Hospital, May 12, 1930.

"Lymphatic Leukemia," a case report by Gulli Lindh Muller, M. D., before the Staff Meeting, New England Hospital for Women and Children, Boston, Mass., September 18, 1930.

"Treatment of Secondary Anemia," address by Gulli Lindh Muller, M. D., before the Staff Meeting of the New England Hospital for Women and Children, Boston, Mass., October 16, 1930.

"The Leucocyte Reaction in Tuberculosis in Infancy and Childhood," address by Gulli Lindh Muller, M. D., before the Staff Meeting at the New England Hospital for Women and Children, Boston, Mass., December 18, 1930.

"Symptomatology and Immediate Treatment of Cranial and Intracranial Injury in the New-Born, including Intracranial Hemorrhage," paper read by Donald Munro, M. D., before the Section of Pediatrics at the Annual Meeting of the Massachusetts Medical Society, June 18, 1930.

"Osteomyelitis of the Flat Bones of the Head," address by Donald Munro, M. D., before the Southern Surgical Society, December 9, 1930.

"Psychology of Reward and Punishment," address by Abraham Myerson, M. D., before the Boston University of Education, Boston, Mass., January 6, 1930.

"Problems of the Adult," address by Abraham Myerson,

M. D., before the New York Mental Hygiene Clinic, Brooklyn, N. Y., January 7, 1930, and January 14, 1930.

"Inheritance and Environment," address by Abraham Myerson, M. D., before the Bridgeport, Conn., Mental Hygiene Society, January 20, 1930.

"The Inheritance of Mental Diseases," address by Abraham Myerson, M. D., before the Phillips Brooks Association, Harvard Medical School, Boston, Mass., April 28, 1930.

"The Pathological and Biological Basis of Mental Deficiency," address by Abraham Myerson, M. D., before the American Association for the Study of Feeble-mindedness, First International Congress on Mental Hygiene, Washington, D. C., May 6, 1930.

"Studies of the Biochemistry of Brain Blood by the Internal Jugular Puncture Method," address by Abraham Myerson, M. D., before the American Psychiatric Association, First International Congress on Mental Hygiene, Washington, D. C., May 7, 1930.

"Intracranial Pathology Lesions, Diagnosis and Treatment," address by Abraham Myerson, M. D., at the Symposium, New Hampshire Medical Society, Concord, N. H., May 14, 1930.

"That Tired Feeling," address by Abraham Myerson, M. D., before the New Hampshire Federation of Women's Clubs, Keene, N. H., May 20, 1930.

"Body and Mind," address by Abraham Myerson, M. D., before the Worcester Mental Hygiene Society, Worcester, Mass., June 3, 1930.

"Neurasthenia," address by Abraham Myerson, M. D., before the Boston School of Occupational Therapy, Boston, June 9, 1930.

"Newer Phases of Heredity and Environment and Their Relationship to the Child," address by Abraham Myerson, M. D., before the Unitarian Layman's League, Star Island, N. H., July 14, 1930.

"The Emotional Life of the Child," address by Abraham Myerson, M. D., before the Unitarian Layman's League, Star Island, N. H., July 14, 1930.

"Inheritability of Mental Diseases," address by Abraham Myerson, M. D., at Smith College, Northampton, Mass., August 1, 1930.

"That Tired Feeling," address by Abraham Myerson, M. D., before the Hatherly Medical Club, Plymouth, Mass., September 10, 1930.

"The Newer Clinical Aspects of Spinal Fluid Work," address by Abraham Myerson, M. D., before the Fall River Medical Society, Fall River, Mass., October 8, 1930.

"The Conflict Between the Immigrant and the American Born Child," address by Abraham Myerson, M. D., before the Maine State Conference of Social Welfare, Augusta, Me., October 16, 1930.

"The Present Clinical Significance of Spinal Fluid Findings," address by Abraham Myerson, M. D., before the Boston Tuberculosis Association, Boston, Mass., October 21, 1930.

"Fatigue," address by Abraham Myerson, M. D., before the Young Men's Hebrew Association Forum, Boston, Mass. January 26, 1930.

"Inheritance and Environment," address by Abraham Myerson, M. D., before the Community Forum, Watertown, Mass., February 2, 1930; and before the Women's Club, at Hingham, Mass., February 18, 1930.

"The Physiological Approach to the Psychoses," address by Abraham Myerson, M. D., before the Massachusetts Psychiatric Society, Boston, Mass., February 7, 1930.

"Normal and Abnormal Fear," address by Abraham Myerson, M. D., before the University State Extension Group, Boston, Mass., February 12, 1930.

"Adaptation and Fatigue," address by Abraham Myerson, M. D., at Smith College, Northampton, Mass., February 25, 1930.

"Biochemistry of Brain Activity," address by Abraham Myerson, M. D., before the Greater Boston Medical Society, March 4, 1930.

"Hereditary and Environmental Factors in the Emotional Life of the Child," address by Abraham Myerson, M. D., before the Chicago Association for Child Study and Parent Education, Chicago, Ill., March 6, 1930; also before the Youth Conference, Hotel Statler, Boston, Mass., March 13, 1930.

"The Physiological Approach to the Psychoses," address by Abraham Myerson, M. D., before the Boston Society of Psychiatry and Neurology, March 20, 1930.

"The Nerve Element in Fatigue," address by Abraham Myerson, M. D., before the Kosmos Club, Wakefield, Mass., March 21, 1930.

"Fear and Nervous Energy," address by Abraham Myerson, M. D., before the University Extension Group, Boston, Mass., April 7, 1930.

"Mental Health," address by Abraham Myerson, M. D., before the Headmasters' Association, Boston, Mass., April 9, 1930.

"Psychiatry in Private Practice," address by Abraham Myerson, M. D., before the Worcester State Hospital, Worcester, Mass., April 11, 1930.

"Cerebrospinal Fluid; Its Significance," address by Abraham Myerson, M. D., before the United States Naval Hospital, Chelsea, Mass., April 14, 1930.

"That Tired Feeling," address by Abraham Myerson, M. D., before the Beth Israel Hospital Auxiliary, Boston, Mass., April 17, 1930.

"Inheritance and Environment," address by Abraham Myerson, M. D., at the Psychopathic Hospital, Boston, Mass., April 18, 1930.

"Are We Individuals," address by Abraham Myerson, M. D., before the Pepperell Manufacturing Company, New York City, April 24, 1930.

"Mental Health," address by Abraham Myerson, M. D., before the Manchester Institute of Arts and Sciences, Manchester, N. H., October 24, 1930.

"Our Children," address by Abraham Myerson, M. D., before the Massachusetts State Home Economics Association, Greenfield, Mass., October 25, 1930.

"The Illusion of Individuality," address by Abraham Myerson, M. D., before the Boston Ethical Society, Boston, October 26, 1930; also before the Menssana Club, Reading, Mass., November 10, 1930.

"What Shall We Do With Our Emotions?" address by Abraham Myerson, M. D., before the Manchester Institute of Arts and Sciences, Manchester, N. H., November 14, 1930.

"Adult Adjustment," address by Abraham Myerson, M. D., before the Adeth Israel Sisterhood, Louisville, Ky., November 20, 1930.

"The Nervous Housewife," address by Abraham Myerson, M. D., before the Woman's Club, Springfield, Ill., November 22, 1930.

"Prevention of Mental and Nervous Diseases in our Modern Civilization," address by Abraham Myerson, M. D., before the Chicago Forum, Chicago, Ill., November 23, 1930.

"Our Fears — Normal and Abnormal," address by Abraham Myerson, M. D., before the Emil Hirsch Lecture Association, Chicago, Ill., November 24, 1930.

"Inheritance and Environment: Its Effect on Personality," address by Abraham Myerson, M. D., before the Illinois Society of Mental Hygiene, Chicago, Ill., November 25, 1930.

"Inheritance and Environment in Relationship to Personality," address by Abraham Myerson, M. D., before the Unitarian's League, Boston, Mass., December 8, 1930.

"Psychoanalysis," address by Abraham Myerson, M. D., before the Middlesex Medical Club, Boston, Mass., December 9, 1930.

"Mental Hygiene," address by Abraham Myerson, M. D., before the Massachusetts Schoolmasters' Club, Boston, Mass., December 13, 1930.

"Irradiation of Primary Cancer of the Breast," address by Frederick W. O'Brien, M. D., before the New England Roentgen Ray Society, Boston City Hospital, January 24, 1930.

"Kummell's Disease," address by Frederick W. O'Brien, M. D., before the New England Roentgen Ray Society, Van-

derbilt Hall, Harvard Medical School, April 18, 1930; before the Radiological Conference of the Yale University Medical School, New Haven, Conn., May 7, 1930; also before the Hartford State Medical Society Annual Meeting, Hartford, Conn., May 21, 1930.

"Hodgkin's Disease," address by Frederick W. O'Brien, M. D., before the American Academy of Physical Therapy, Copley Plaza Hotel, Boston, Mass., November 21, 1930.

"Lymphoblastoma" (Hodgkin type), address by Frederick W. O'Brien, M. D., before the North American Radiological Society, Los Angeles, Cal., December 5, 1930.

"Unrecognized Fracture *vs.* Kummell's Disease," address by Frederick W. O'Brien, M. D., before the North American Radiological Society, Los Angeles, Cal., December 5, 1930.

"Lung Abscess," address by Thomas J. O'Brien, M. D., at the Clinical Meeting, Boston City Hospital, January 25, 1930.

"Proposed Legislation Affecting the Practice of Medicine," address by Thomas J. O'Brien, M. D., at the Commercial Club, Brockton, Mass., January 29, 1930.

"Nostrums and Quackery," address by Thomas J. O'Brien, M. D., before the Rotary Club, Somerville, Mass., April 1, 1930.

"Heart Block," address by Thomas J. O'Brien, M. D., before the New England Health Institute, April 15, 1930.

"Medical Legislation," address by Thomas J. O'Brien, M. D., before the Worcester North District Medical Society at Fitchburg, Mass., July 22, 1930.

"Some Children's Diseases," talk by Dwight O'Hara, M. D., before the Waltham Mothers' Club, January 3, 1930.

"Dr. Charles Dickens," paper read by Dwight O'Hara, M. D., before the Newton Medical Club, October 13, 1930.

"What the General Practitioner Should Know about Genito-Urinary Symptoms," talk by William R. Ohler, M. D., before the Symmes Arlington Hospital, January 14, 1930.

"Diabetes and its Complications," address by William R. Ohler, M. D., before the Forest Hills Hospital, January 15, 1930.

"Nephritis," address by William R. Ohler, M. D., before the Hatherly Medical Club, March 12, 1930; also at Peterboro, N. H., April 16, 1930; and before the Worcester State Hospital, October 3, 1930.

"The Clinical Application of Certain Laboratory Procedures," address by William R. Ohler, M. D., before the Dorchester Medical Club, April 10, 1930.

"An Evaluation of Therapeutic Results in Essential Hypertension," discussion by William R. Ohler, M. D., before the Boston Dispensary, May 22, 1930, of a paper written by Dr. Ayman.

"Clinical Papers on Nephritis, Diabetes and Basal Metabolism Studies," address by William R. Ohler, M. D., at Rutland, Mass., July 8, 1930.

"The Clinical Application of Basal Metabolism Studies," address by William R. Ohler, M. D., at Wakefield, Mass., September 24, 1930.

"The Clinical Application of Certain Laboratory Procedures," talk by William R. Ohler, M. D., at Springfield, Mass., October 30, 1930; also before the Malden Medical Society, November 18, 1930.

"Nephritis," radio talk by William R. Ohler, M. D., at Hotel Statler, December 3, 1930.

"Fundamentals of Therapeutics," address by Francis W. Palfrey, M. D., before the Springfield Academy of Medicine, April 4, 1930.

"Coronary Disease," address by Cadis Phipps, M. D., before the Plymouth Medical Society, Spring, 1930.

"The Treatment of Hypertension," address by Cadis Phipps, M. D., before the Framingham Medical Society, Spring, 1930.

"Variations in Blood Pressure," address by Cadis Phipps, M. D., before the Malden Medical Society, October, 1930.

"Acute Multiple Sclerosis in Dogs," address by T. J. Putnam, M. D., before the Boston Society of Psychiatry and Neurology, January 16, 1930.

"Diseases of the Spinal Cord," address by T. J. Putnam, M. D., before the Fall River Medical Society, November 12, 1930.

"Accidents During Electrotherapy and Their Prevention," paper by Dr. Richard Covacks, discussed by Joseph Resnik, M. D., at the New England Physical Therapy Convention, Boston, Mass., April, 1930.

"Crime of Osteosurgeon," paper by Elisha Sears Lewis, discussed by Joseph Resnik, M. D., at the New England Physical Therapy Convention, Boston, Mass., April, 1930.

"Certain Aspects of the Psychoneuroses Found in General Practice," paper read by George P. Reynolds, M. D., before the Joint Meeting of Merrimac County and Center District, Hillsborough County Medical Societies, April 15, 1930.

"The Etiology of Psychoneuroses Encountered in the Practice of Internal Medicine," address by George P. Reynolds, M. D., before the Section of Medicine of the Massachusetts Medical Society at its Annual Meeting, Plymouth, Mass., June 17, 1930.

"Care of Athletic Injuries," address by T. K. Richards, M. D., before the National Convention of Physical Directors Boston, Mass., April, 1930.

"Care and Prevention of Athletic Injuries," address by T. K. Richards, M. D., before the National Collegiate Athletic Association of New York, December 30, 1930.

"Organization Necessary for Medical Supervision of College Athletics," address by T. K. Richards, M. D., before the National Convention of Young Men's Christian Association Physical Directors at Cambridge, Mass., December 15, 1930.

"Myositis Ossificans," address by T. K. Richards, M. D., before the Student Health Association, New York City, December 31, 1929.

"Sprained Ankles," address by T. K. Richards, M. D., before the Wisconsin Medical Society, Boston City Hospital, Winter, 1930.

"Treatment of Athletic Injuries," address by T. K. Richards, M. D., before the Cambridge Medical Improvement Society, March, 1930.

"Series of Ten Lectures on Athletic Injuries," by T. K. Richards, M. D., before the Harvard Summer School of Physical Education, July, 1930.

"The Galapagos Islands," addresses by T. K. Richards, M. D., before the Boston Natural History Society; before the House Officers and Staff at the Boston City Hospital; before the Children's Hospital Alumni Association; also before the Middlesex School and the Harvard Club.

"The Value of Pyelography," address by Augustus Riley, M. D., before the Physicians' Club, Arlington, Mass., November 11, 1930.

"Prevention of Heart Disease," radio talk over WEEI, by William H. Robey, M. D., January 31, 1930.

"Syphilitic Heart Disease as Found in General Practice," address by William H. Robey, M. D., before the combined meeting of New England Heart Association and Manchester Medical Association held at Rice-Varick Hotel, Manchester, N. H., March 11, 1930.

"Prevention of Heart Disease," address by William H. Robey, M. D., before the New England Health Institute, Hotel Statler, April 18, 1930; also before the Good Samaritan Luncheon, Women's Educational and Industrial Union, December 2, 1930.

"Neuritis," paper by Dr. Frank R. Ober, discussion by William H. Robey, M. D., before the Massachusetts Medical Society, Plymouth, Mass., June 17, 1930.

"A Comparative Study of Twenty-two Hundred Tonsillectomized Children with an Equal Number of Controls Three and Ten Years After Operation," discussion of Dr. Albert Kaiser's paper by William H. Robey, M. D., before the American Medical Association, Detroit, Mich., June 26, 1930.

"Medical Ethics," the George W. Gay Lecture, by William H. Robey, M. D., at Harvard Medical School, December 3, 1930, also on December 10, 1930.

"Causes of Heart Disease," address by William H. Robey, M. D., before the School of Occupational Therapy, Cambridge, Mass., December 16, 1930.

"Tropical Diseases," address by George C. Shattuck, M. D., before the Medical Staff of the Chelsea Naval Hospital, October 27, 1930.

"Cutaneous and Blood Sugar Determinations and Diabetic

Acidosis," address by Richard P. Stetson, M. D., before the Yale Medical Society, New Haven, Conn., February 12, 1930.

"Harvard-African Expedition," talk by Richard P. Strong, M. D., illustrated with moving and still pictures, before the Harvard Medical Society of New York, February 27, 1930.

"Low Back Disabilities," by Russell F. Sullivan, M. D., paper read before the Staff of St. Elizabeth's Hospital, March, 1930.

"Deficiencies in Training of the Modern Orthopedic Surgeon," by Russell F. Sullivan, M. D., paper read at the Annual Meeting of the Alumni of the New York Orthopedic Hospital, New York City, April 25, 1930.

"Studies in Mercury Metabolism," address by F. H. L. Taylor, M. D. (with A. G. Young, M. D., as coauthor),

"Low Back Disabilities," by Russell F. Sullivan, M. D., before the Section of Pharmacology, American Association for the Advancement of Science, Detroit, Mich., March, 1930.

"Response Obtained in Healthy Pigeons by Administration of Substances Effective in Pernicious Anemia," address by Janet M. Vaughan, M. D. (with G. L. Muller, M. D., and George R. Minot, M. D., as coauthors), before the American Society of Clinical Investigation, Atlantic City, N. J., May 5, 1930.

"Care of Athletic Injuries," address by Irving J. Walker, M. D., at the National Convention of Physical Directors, Boston, Mass., April, 1930.

"Care and Prevention of Athletic Injuries," address by Irving J. Walker, M. D., before the National Collegiate Athletic Association, New York City, December 30, 1930.

"Organization Necessary for Medical Supervision of College Athletics," address by Irving J. Walker, M. D., at the National Convention of Young Men's Christian Association, Physical Directors at Cambridge, Mass., December 15, 1930.

"Myositis Ossificans," address by Irving J. Walker, M. D., before the Student Health Association, New York City, December 31, 1929.

"What is the Most Desirable Medical Staff Organization to Assure Adequate Control and the Highest Degree of Professional Efficiency?" paper read by Irving J. Walker, M. D., before the Sectional Meeting of the American College of Surgeons, Bancroft Hotel, Worcester, Mass., January 6, 1930.

"Acute Post-operative Intestinal Obstruction," by Irving J. Walker, M. D., paper read before the Holyoke Medical Association, Holyoke, Mass., February 28, 1930.

"Supervision of Private Hospitals," discussion of Dr. Millard Knowlton's paper by Irving J. Walker, M. D., before the New England Health Institute, Boston, Mass., April 16, 1930.

"Abscess of the Spleen," paper read by Irving J. Walker, M. D., before the Clinical Meeting of Boston City Hospital, April 26, 1930; before the Buffalo Surgical Society Clinic at

Boston City Hospital, April 11, 1930; also before the New England Surgical Society, Boston, Mass., September 27, 1930.

"Constitution and Disease," address by Soma Weiss, M. D., before the Boylston Medical Society, Boston, Mass., January 13, 1930.

"The Causes of High Blood Pressure; its Prevention and Management," Harvard Medical School, Public Lecture by Soma Weiss, M. D., Boston, Mass., Sunday, January 19, 1930.

"Hypertension," address by Soma Weiss, M. D., before the Holyoke Medical Society, Holyoke, Mass., January 21, 1930.

"The Development of the Clinical Concept of Arterial Hypertension," address by Soma Weiss, M. D., before the Boston Medical History Club, Boston, Mass., February 17, 1930.

"The Prevention of Hypertension," address by Soma Weiss, M. D., before the New England Health Institute, Boston, Mass., April 17, 1930.

"Drugs Used in Congestive Heart Disease," address by Soma Weiss, M. D., before the Boston City Hospital Alumni, Boston, Mass., April 26, 1930.

"The Circulatory Mechanism and Unilateral Edema in Cerebral Hemiplegia," address by Soma Weiss, M. D., before the American Society for Clinical Investigation, Atlantic City, N. J., May 5, 1930.

"Recent Advances in Measurements of Circulatory Failure," III, address by Soma Weiss, M. D., before the Medizinische Klinik, Vienna, Austria, July 3, 1930.

"The Various Clinical Manifestations of Failure of the Cardiovascular System and their Treatment," address by Soma Weiss, M. D., before the Central Maine Medical Society, Lewiston, Me., October 24, 1930.

"The Relation of Vascular Disease to Psychosis," address by Soma Weiss, M. D., before the Medical Staff of the Worcester State Hospital, Worcester, Mass., November 7, 1930.

"Present Concepts of Circulatory Failure," address by Soma Weiss, M. D., before the Plymouth Medical Society, Abington, Mass., November 20, 1930.

"Normal Blood Pressure and its Measurement," address by Soma Weiss, M. D., before the American Heart Association, Boston, Mass., December 3, 1930.

"Renal Diseases," address by Soma Weiss, M. D., before the Central Maine Medical Society, Lewiston, Me., December 1, 1930.

"The Rational Treatment of Arterial Hypertension," by Soma Weiss, M. D. (with Laurence B. Ellis, M. D., as co-author), before the Section on Pharmacology and Therapeutics at the Eighty-First Annual Session of the American Medical Association, Detroit, Mich., June 25, 1930.

"X-Ray Observations on the Healing of Gastric Ulcer,"

address by Franklin W. White, M. D., before the New England Roentgen Ray Society, January 24, 1930.

"Diagnosis and Treatment of Peptic Ulcer," address by Franklin W. White, M. D., before the Everett Hospital Staff, February 7, 1930.

"Class Teaching in Peptic Ulcer," address by Franklin W. White, M. D. (with I. R. Jankelson, M. D., as co-author), before the Gastro-Enterological Association, May 5, 1930.

"Hematemesis in Gall Bladder Disease," address by Franklin W. White, M. D. (with I. R. Jankelson, M. D., as co-author), before the Association of American Physicians, May 7, 1930.

"Focal Infection with Special Reference to Gall Bladder Disease," paper read by Thomas W. Wickham, M. D., before the Chelsea Medical Society, March, 1930.

"Studies in Mercury Metabolism," address by Albert G. Young, M. D. (with F. H. L. Taylor, M. D., as co-author), before the Section of Pharmacology, American Association for the Advancement of Science, Detroit, Mich., March, 1930.

HOUSE OFFICERS.

The Herbert L. Burrell Ether Prize, given for administering anesthetics in the most skilful and humane manner was awarded to Leslie C. Dodson, M. D., of the First Surgical Service, Lawrence J. McCarthy, M. D., of the Fourth Surgical Service, and George W. Rafferty, M. D., of the Third Surgical Service.

In May, 1930, the Trustees appointed a woman interne for the Neurological Service, this being an innovation.

CHANGES IN THE HOSPITAL RULES.

As the Hospital is passing through a period of expansion, the rules of the Trustees are undergoing recodification.

During the year, the Department of Surgical Investigation has been put into operation under the guidance of a Director of Surgical Research. This Director is aided by an Assistant and a Technician.

The Committee on Surgical Research of the Senior Staff has been empowered to recommend to the Trustees new appointments to the Department of Surgical Investigation.

The activities of all clinical laboratories have been concentrated under the guidance of the Director of Clinical Laboratories.

A course of post-graduate teaching for local practitioners has been installed in the Out-Patient Department. Teaching given each morning includes general medicine, dermatology, neurology, physiotherapy, immunology, dietetics.

A Fifth Medical Service has been formed as a Boston University teaching service. This creates positions for an additional Resident and for six additional medical house officers.

New rules have been adopted for the Neurological and the Neurosurgical Services.

The Unit System of House Clinical Records has been installed in conjunction with the Out-Patient Records.

The rule has been made that clinical records shall be in the Record Room within a week following the discharge of the patients.

A rule has been made so that the members of the Oral Surgical Staff are allowed to administer anesthetics.

Positions on the Visiting Staff have been changed as follows: Six additional positions were created for Junior Visiting Physicians, so making the number twenty-seven. Two additional positions were created for Assistant Visiting Oral Surgeons, so making the number six. The appointment of Associate Physicians and Associate Surgeons to the various services created the positions.

A position has been created for a Resident Surgeon in the Out-Patient Department.

A third position for a Resident Assistant in Pathology has been created.

Titles have been changed as follows:

A "Visiting Surgeon" has been changed to a "Visiting Surgeon for Urology."

An "Assistant Visiting Surgeon" has been changed to an "Assistant Visiting Surgeon for Urology."

A "Visiting Surgeon" has been changed to "Visiting Surgeon for Neuro-Surgery."

The title "Director of Thorndike Memorial Laboratory" has been changed to "Director of Thorndike Memorial Laboratory, Director of Second Medical Service, Director of Fourth Medical Service."

The titles of the Neurological Department have been changed by striking out the words, "Physicians for Neurology" and inserting the word, "Neurologists."

GIFTS AND BEQUESTS.

Grateful acknowledgment is made of the following bequests and gifts:

There has been received and added to the Nurses' Fund, the interest of which is used for employment of special nurses for needy patients:

The sum of \$500 sent by his Honor, Mayor James M. Curley, this being a legacy from his lamented wife, Mrs. Mary E. Curley.

The gift of \$2,000 presented by Ex-Mayor Malcolm E. Nichols.

Two checks for \$1,050 each, these being bequests of the late Marcus Morton Keyes; one check being for the benefit of the Main Hospital and the other for the benefit of the Relief Stations.

A legacy of \$1,000 received under the will of the late Benjamin Levy.

The sum of \$520 received from a trust fund established by the late Abraham M. Guttermann.

The amount of \$530.47 received under the will of the deceased, Samuel Hirschberg.

A prize of \$25 won in the Legal Stamp Company Voting Contest.

A gift of \$15 received from Mr. Joseph A. Latourneau, whose wife was a Hospital patient.

There has been added to the Albert N. Blodgett Fund, the interest of which is used for the employment of special nurses for needy patients, the sum of \$824.32, this being income from the estate of Doctor Blodgett.

A fine water color portrait of the former President of the Board of Trustees, Mr. Abraham Shuman, was presented to the Hospital by his daughter, Mrs. Theresa Shuman Ratschesky. It now hangs in the Administration Building.

An expensive piece of apparatus for the optical registration of the cardiac output in man, paid for by gift funds made available for work undertaken under Doctor Minot's direction, has been gratefully received.

The donation by the E. F. Mahady Company of all supplies used by the First-Aid Hospital maintained by this Hospital for the benefit of the National Convention of the American Legion in Boston, was much appreciated.

Much joy has been brought to patients by the numerous donations of toys, books, etc., for children at Christ-

mas time, and the many gifts received through the Department of Social Work for the comfort of those in exigencies.

At the close of this great year in the life of the Hospital, we desire to tender to his Honor the Mayor and to the City Council our grateful acknowledgments for their very important part in the noble work of building up this institution.

To Dr. John J. Dowling our appreciation is due for his efficient and devoted administrative work, and his intelligent oversight and direction in the new construction.

The new buildings give great satisfaction, and congratulations are extended to the architects, Messrs. James H. Ritchie and Associates, for their splendid work.

Appreciation is due the Professional Staff of the Hospital for their devoted cooperation in all that leads to the betterment of the sick poor of Boston.

The outstanding features of the Hospital life during the past year are not to be found alone in the fine new buildings, with their improved equipment, which have arisen, but in the advances in scientific medical care which are revealed in the various department reports appearing in this volume.

These advances must be a matter of deep congratulation to the Mayor and to the City Council as well as to the Hospital Trustees.

Respectfully submitted,

JOSEPH P. MANNING, *President.*

HENRY S. ROWEN, M. D., *Secretary.*

GEORGE G. SEARS, M. D.

CARL DREYFUS.

KARL ADAMS.

REPORT OF THE SUPERINTENDENT AND MEDICAL DIRECTOR.

BOSTON CITY HOSPITAL, January 5, 1931.

To the Trustees.

GENTLEMEN,—I present herewith the annual report of the Hospital Department for the year 1930.

On June 1, 1864, the Boston City Hospital was opened for the admission of patients. Since that time the number of house patients treated in the different departments has been 766,398 and the number of out-patients, 2,830,203. The table on page 99 shows the number of patients who have been treated in the hospital proper and the South Department during the last ten years. The principal statistics for the past year are shown on pages 101, 102. The other tables are self-explanatory.

Patients treated in the hospital during the year:

Medical services.	7,592
Surgical services.	9,391
Gynecological and obstetrical services	6,292
Pediatric service	1,114
Ophthalmic service	194
Aural and laryngological service	3,247
Neurological service	452
Neurosurgical service	172
Dermatological service	211
Total	<u>28,665</u>

Number of visits of patients to the hospital for advice and treatment in the Out-Patient Departments:

Medical	27,751
Medical afternoon (consultation)	1,629
Surgical	63,137
Fracture	31,458
Bone and joint	603
Genito-urinary	19,035
Gynecological	6,590
Pre-natal	6,842
Carried forward	<u>157,045</u>

TABLE OF ADMISSIONS AND DEATHS FROM FEBRUARY 1, 1921, TO JANUARY 1, 1931.
Hospital Proper and South Department.

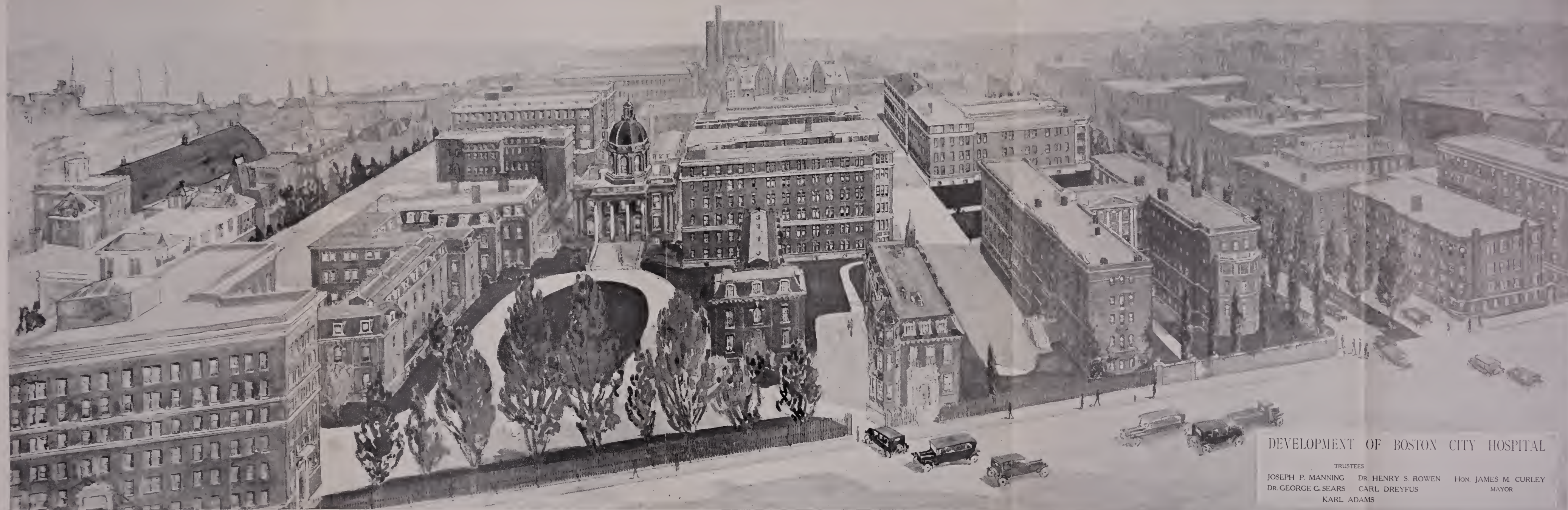
	Patients Admitted.	Patients Accidentally Injured Admitted.	Number of Out- Patients Treated.	Number of Patients in Hospital at Beginning of Year.	Number of Ward Patients Treated.	Died.	Rate of Mortality.
February 1, 1921, to January 31, 1922.....	18,844	1,915	32,377	979	19,823	1,400	.071
February 1, 1922, to January 31, 1923.....	22,174	2,601	37,419	993	23,167	1,796	.078
February 1, 1923, to January 31, 1924.....	23,181	2,485	38,690	1,097	24,278	1,861	.077
February 1, 1924, to January 31, 1925.....	23,646	2,675	45,095	1,150	24,796	1,785	.072
February 1, 1925, to December 31, 1925.....	20,349	2,149	44,750	1,130	21,479	1,627	.076
January 1, 1926, to December 31, 1926.....	21,460	1,928	45,994	884	22,344	1,759	.079
January 1, 1927, to December 31, 1927.....	24,280	1,426	49,059	919	25,199	1,882	.075
January 1, 1928, to December 31, 1928.....	24,462	1,448	52,610	1,048	25,510	1,913	.075
January 1, 1929, to December 31, 1929.....	25,843	1,694	82,483	977	26,820	1,986	.075
January 1, 1930, to December 31, 1930.....	29,647	2,357	98,154	1,143	30,790	2,008	.065

The total number of patients admitted to the wards since the opening of the hospital and South Department has been 711,926 and the number of out-patients has been 2,356,776.

HOSPITAL PROPER.

APPLICANTS EXAMINED FOR ADMISSION DURING YEAR
1930.

MONTH.	Number Examined.	Number Admitted.	Number not Admitted.
January.....	2,315	2,288	27
February.....	2,056	2,033	23
March.....	2,437	2,389	48
April.....	2,336	2,309	27
May.....	2,388	2,350	38
June.....	2,293	2,270	23
July.....	2,396	2,372	24
August.....	2,302	2,277	25
September.....	2,441	2,414	27
October.....	2,452	2,428	24
November.....	2,247	2,229	18
December.....	2,390	2,362	28
Totals.....	28,053	27,721	332



DEVELOPMENT OF BOSTON CITY HOSPITAL

TRUSTEES

JOSEPH P. MANNING	DR. HENRY S. ROWEN	HON. JAMES M. CURLEY
DR. GEORGE G. SEARS	CARL DREYFUS	MAYOR
KARL ADAMS		

HOSPITAL PROPER.

PRINCIPAL STATISTICS FOR THE YEAR 1930.

Number of Patients.

Number of patients remaining in the hospital proper December 31, 1929	944
Admitted during the year 1930:	
Medical	7,284
Surgical	9,042
Gynecological and obstetrical	6,116
Pediatric	1,060
Ophthalmic	190
Aural and laryngological	3,220
Neurological	436
Neurosurgical	172
Dermatological	201
	27,721
Treated during the year	28,665
Discharged during the year	25,639
Died during the year	1,927
	27,566
Number of patients remaining in the hospital proper December 31, 1930	
Number of births during the year	1,099
Number of deaths	2,005
Number of deaths within forty-eight hours of admis- sion	1,927
Largest number of patients in hospital on any one day,	661
Smallest number of patients in hospital on any one day	1,167
Daily average number of patients	944
Average number of days' stay of patients	1,044.1
Number of weeks' treatment given in hospital	13.3
Number of days' treatment given in hospital.	54,443
Number of applicants for admission to hospital	381,104
Number of applicants rejected	28,053
Number of out-patients treated during year	332
Number of visits made by out-patients during year	98,154
Patients carried in ambulances	355,371
Number of patients accidentally injured admitted to the wards	9,167
	2,357

Number of out-patients treated in the Out-Patient Department:

Clinics.	Total Patients Treated.	New Admissions.
Medical	13,416	10,821
Medical afternoon (consultation)	779	667
Surgical	19,594	15,398
Fracture	10,498	9,632
Bone and joint	307	266
Genito-urinary	1,370	1,024
Gynecological	2,593	1,702
Pre-natal	3,203	1,558
Urological	97	86
Pediatric	4,748	3,511
Baby hygiene	174	140
Eye	5,122	3,779
Ear, nose and throat	9,487	7,630
Dermatological	5,258	4,247
Neurological	921	768
Immunology	1,301	907
Oral surgery	1,997	1,334
Physical therapeutics	3,345	2,981
Cardiac	212	180
Circulatory	789	447
Blood	50	19
Metabolism	299	271
Gastro-intestinal	600	504
Thyroid	149	105
X-ray (estimated)	22,149	17,730
Accidents	*13,941	*13,941
Totals	†98,154	‡57,153

* Of the accident cases, 5,379 were treated in the Out-Patient Building and 8,562 on the accident floor.
† 98,154 is the number of individual out-patients treated (not the total of the column), many of them having been counted in more than one department.
‡ 57,153 is the total number of admissions, not the total of the column.

PRESENT CAPACITY OF THE HOSPITAL DEPARTMENT.

The schedule of beds is as follows:

	Beds.	Cribs.	Bassinets.	Totals.
Hospital proper.	1,176	38	129	1,343
South Department.	145	149	6	300
Sanatorium Division.	582	.....	.....	582
Haymarket Square Relief Station.	27	2	.....	29
East Boston Relief Station.	10	1	1	12
Convalescent Home.	34	.....	.....	34
Totals.	1,974	190	136	2,300

The distribution of beds of the Main Hospital is as follows:

SERVICES.	WARDS.							PRIVATE AND SEMI-PRIVATE.				Grand Totals.
	Males.	Females.	Both Sexes.	Children (Males).	Children (Females).	Children (Both Sexes).	Totals.	Males.	Females.	Both Sexes.	Totals.	
Medical.....	225	200	9	.....	.....	.....	434	.....	.....	4	4	438
Surgical.....	160	148	8	.....	.....	.....	316	14	18	.....	32	348
Obstetrical.....	.....	78	.....	.....	.....	.....	78	.....	.....	.....	.....	78
Gynecological.....	.....	50	.....	.....	.....	.....	50	.....	.....	.....	.....	50
Neurological and Neurosurgical,	32	18	.....	.....	.....	.....	50	3	3	.....	6	56
Ophthalmic, Aural, and all serv- ices.....	9	5	.....	.....	.....	.....	14	.....	5	6	11	25
Dermatological.....	6	4	.....	.....	.....	.....	10	.....	.....	.....	.....	10
Pediatric and all services.....	.....	.....	.....	24	28	64	116	.....	.....	.....	.....	116
All services.....	55	.....	.....	.....	.....	.....	55	.....	.....	.....	.....	55
Total beds.....	487	503	17	24	28	64	1,123	17	26	10	53	1,176
Cribs.....	.....	.....	.....	.....	.....	38	38	.....	.....	.....	.....	38
Bassinets.....	.....	.....	.....	.....	.....	129	129	.....	.....	.....	.....	129
Totals.....	487	503	17	24	28	231	1,290	17	26	10	53	1,343

STATISTICS OF PATIENTS ACCORDING TO SERVICES.
YEAR 1930.

SERVICES.	In Hospital January 1, 1930.	Admitted.	Discharged.	Died.	Total Discharged and Died.	In Hospital January 1, 1931.
First Surgical.....	48	1,677	1,589	85	1,674	51
Second Surgical.....	84	1,739	1,658	77	1,735	88
Third Surgical.....	40	1,591	1,508	79	1,587	44
Fourth Surgical.....	52	1,523	1,422	92	1,514	61
Fifth Surgical.....	64	1,499	1,386	97	1,483	80
Sixth Surgical.....	61	1,013	954	32	986	88
Gynecological and Obstetrical,	176	6,116	5,895	135	6,030	262
First Medical.....	67	1,688	1,409	284	1,693	62
Second Medical.....	60	1,685	1,507	207	1,714	31
Third Medical.....	66	1,669	1,416	266	1,682	53
Fourth Medical.....	115	1,920	1,678	289	1,967	68
Fifth Medical.....		322	211	37	248	74
Pediatric.....	54	1,060	900	176	1,076	38
Ophthalmic.....	4	190	192	2	194	.....
Aural and Laryngological.....	27	3,220	3,182	18	3,200	47
Neurological.....	16	436	422	30	452	.....
Neurosurgical.....		172	115	18	133	39
Dermatological.....	10	201	195	3	198	13
Totals.....	944	27,721	25,639	1,927	27,566	1,099

RECEIPTS AND EXPENDITURES.

ALL DEPARTMENTS EXCEPT SANATORIUM DIVISION.

Receipts.

City appropriation	\$2,908,098 67
Interest on Trust Funds	2,580 05
	\$2,910,678 72
Deduct:	
Balance returned to City Treasury	12,316 57
	<u>\$2,898,362 15</u>

Expenditures.

Hospital proper and its subdivisions	\$2,172,178 35
Out-Patient Department	227,616 10
South Department	327,376 09
Haymarket Square Relief Station	92,819 30
East Boston Relief Station	46,686 87
Convalescent Home	21,884 33
West Department	9,801 11
Totals	<u>\$2,898,362 15</u>

MAIN HOSPITAL.

APPLICANTS NOT ADMITTED FROM JANUARY 1, 1930,
TO DECEMBER 31, 1930, INCLUSIVE.

	At First Rejected.	Admitted Later.	Finally Rejected.
Self-rejected or deferred.....	279	.....	139
Self-rejected or deferred, but admitted within three days.....	.....	60	.....
Self-rejected or deferred, but admitted later.....	.....	80	.....
State settlement.....	175	.....	139
State settlement, but admitted within three days....	.....	16	.....
State settlement, but admitted later.....	.....	20	.....
Non-resident.....	52	.....	30
Non-resident, but admitted within three days.....	.....	10	.....
Non-resident, but admitted later.....	.....	12	.....
Referred to other public institutions.....	28	4	24
Totals.....	534	202	332

RECORD OF AMBULANCE WORK.

YEAR 1930.

Transportation to the Hospital.

Trips to:

Business center	289
North End	205
West End	251
Back Bay	263
South End	999
Roxbury	1,034
West Roxbury	131
Dorchester	804
South Boston	666
East Boston	658
Charlestown	626
Jamaica Plain	354
Brighton	336
Roslindale	172
Hyde Park	121
South Department	61
Total trips in	6,970
Did not come	107
Patients brought	<u>6,863</u>

Transportation from the Hospital.

Convalescent Home	310
Patients' homes	157
Other hospitals	630
Trips out	1,097
Carried extra	1,554
Patients carried	<u>2,651</u>

Summaries.

Total number of trips	<u>8,067</u>
Total number of patients carried	<u>9,514</u>

RECORD OF WORK DONE BY SEDAN.

	Trips.	Miles.
Bringing physicians and surgeons, also carrying house officers to obtain autopsy permits.....	1,233	7,351
Carrying patients to Convalescent Home.....	310	3,410
Totals.....	1,543	10,761

CENSUS OF DAYS' BOARD OF ALL PERSONS.

YEAR 1930.

	Patients.	Officers and Em- ployees.	House Officers.	Special Nurses.	Total Days' Board.
Hospital Proper.....	381,104	375,593	26,433	22,534	805,664
South Department.....	66,115	48,105	4,992	873	120,085
Haymarket Square Relief Station....	3,256	12,175	2,512	404	18,347
East Boston Relief Station.....	579	7,867	.....	112	8,558
Convalescent Home.....	5,582	2,744	.....	.....	8,326
Totals.....	456,636	446,484	33,937	23,923	960,980

DAILY AVERAGE OF PERSONS.

YEAR 1930.

	Patients.	Officers and Em- ployees.	House Officers.	Special Nurses.	Total All Persons.
Hospital Proper.....	1,044.1	1,029.0	72.4	61.8	2,207.3
South Department.....	181.1	131.8	13.7	2.4	329.0
Haymarket Square Relief Station....	8.9	33.4	6.9	1.1	50.3
East Boston Relief Station.....	1.6	21.5	.....	.3	23.4
Convalescent Home.....	15.3	7.5	.....	.....	22.8
Totals.....	1,251.0	1,223.2	93.0	65.6	2,632.8

MAXIMUM AND MINIMUM NUMBER OF DAYS' BOARD GIVEN.

YEAR 1930.

	Hospital Proper.	South Department.	Haymarket Square Relief Station.	East Boston Relief Station.	Convalescent Home.	All Departments (Except Sanatorium Division).
Maximum number of days' board of patients..	1,167	294	20	6	28	1,396
Minimum number of days' board of patients. .	944	76	2	0	6	1,079
Maximum number of days' board of persons..	2,425	449	67	29	36	2,785
Minimum number of days' board of persons..	2,015	187	35	20	13	2,343

NATIVITY OF PATIENTS ADMITTED DURING YEAR 1930.

Boston	11,582	<i>Brought forward</i>	25,668
Other cities and towns in Massachusetts	4,224	China	36
Maine	559	France	33
New Hampshire	284	Austria Hungary	25
Vermont	145	Turkey	19
Rhode Island	186	Roumania	15
Connecticut	147	Cape Verde Islands	14
Other states	1,429	Finland	14
Ireland	2,347	Holland	14
British Provinces	1,606	Denmark	10
Italy	802	Latvia	10
Russia	689	South America	9
England	327	Spain	8
Poland	233	Belgium	6
Newfoundland	206	Switzerland	6
Scotland	160	Australia	5
Lithuania	158	Africa	5
Germany	121	Cuba	4
Sweden	107	Panama	4
Greece	84	Bermuda	4
West Indies	70	Japan	4
Syria	67	Mexico	3
Armenia	50	Palestine	3
Portugal	43	Barbadoes	2
Norway	42	India	2
		Czecho-Slovakia	2
		Albania	1
<i>Carried forward</i>	25,668	<i>Carried forward</i>	25,926

HOSPITAL DEPARTMENT.

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<i>Brought forward</i> .	25,926	<i>Brought forward</i> .	25,932
Galway	1	Canal Zone	1
Jugo-Slavia	1	Asia	1
Philippine Islands	1	Siberia	1
Astthonia	1	Egypt	1
Assyria	1	Hawaiian Islands	1
Siam	1	Unknown	1,784
<i>Carried forward</i> .	25,932	Total	<u>27,721</u>

CONDITION OF PATIENTS DISCHARGED DURING YEAR
1930.

Well	654	<i>Brought forward</i> .	25,604
Relieved	21,495	Eloped	12
Not relieved	3,455	Died	1,950
<i>Carried forward</i> .	25,604	Total	<u>27,566</u>

SOUTH DEPARTMENT.

PRINCIPAL STATISTICS FOR THE YEAR 1930.

Number of patients remaining in the South Department, December 31, 1929	199
Admitted from January 1, 1930, to December 31, 1930, ...	1,926
Treated during the year	2,125
Discharged during the year 1,881	
Died during the year 81	
	1,962
Number of patients remaining December 31, 1930	163
Maximum number of patients at any one time	294
Minimum number of patients at any one time	76
Daily average number of patients	181.1
Average number of days' stay of patients	31.11
Number of days' treatment given patients	66,115
Number of weeks' treatment given patients	9,445
Number of patients admitted over 15 years of age	356
Average age of patients	9.32
Number of patients dying within 48 hours of admission, ...	28
Percentage of deaths to discharges	4.13
Death rate from all diseases	3.81
Death rate from all diseases deducting deaths within 24 hours of admission	2.78
Number of applicants examined for admission	1,999
Number of applicants rejected	73

NATIVITY OF PATIENTS ADMITTED TO THE SOUTH DEPARTMENT FOR THE YEAR 1930.

Boston	1,221	<i>Brought forward</i>	1,819
Massachusetts	313	Italy	5
Maine	47	Scotland	3
New Hampshire	20	Russia	2
Vermont	16	Germany	3
Rhode Island	15	Lithuania	1
Connecticut	10	Panama Canal Zone, ...	1
Other states	66	Sweden	2
British Provinces	73	French West Indies, ...	1
Denmark	1	Poland	1
Armenia	1	Portugal	1
Ireland	30	Unknown	87
England	6		
<i>Carried forward</i>	1,819	Total	<u>1,926</u>

CONDITIONS OF PATIENTS DISCHARGED FROM THE SOUTH DEPARTMENT FOR THE YEAR 1930.

Well	1,707	<i>Brought forward</i>	1,881
Relieved	39	Died	81
Not relieved	135		
		Total	<u>1,962</u>
<i>Carried forward</i>	1,881		

APPLICANTS EXAMINED FOR ADMISSION TO THE SOUTH DEPARTMENT FOR THE YEAR 1930.

MONTHS.	Number Examined.	Number Admitted.	Number Not Admitted.
January.....	217	214	3
February.....	166	162	4
March.....	264	255	9
April.....	295	283	12
May.....	264	250	14
June.....	171	168	3
July.....	101	93	8
August.....	63	57	6
September.....	80	73	7
October.....	88	87	1
November.....	120	117	3
December.....	170	167	3
Totals.....	1,999	1,926	73

Table No. 1.
DISBURSEMENTS ACCORDING TO VARIOUS SUBDIVISIONS.

	Hospital Proper.	Out-Patient Department.	Pathological Laboratory.	Thorndike Laboratory.	X-Ray and Photographic Department.	Department for Physical Therapeutics.	Department of Immunology.	Clinical Laboratory.	Blood Laboratory.	Department of Oral Surgery.	Department of Social Work.	Settlement Account.	South Department.	Haymarket Square Relief Station.	East Boston Relief Station.	Convalescent Home.	West Department.	Totals.
Subsistence supplies...	\$551,361 55												\$82,066 01	\$17,108 45	\$3,763 47	\$4,551 81		\$658,851 29
Fuel.....	65,131 43	\$8,096 40	\$3,036 15	\$2,106 52	\$2,953 74								21,482 17	1,862 24	767 71	801 00		106,237 36
Medical supplies.....	164,286 07	12,903 58	6,760 39	11,107 47	41,245 88	\$2,140 25	\$465 87	\$5,120 79	\$237 58	\$519 82			7,644 20	7,451 29	2,023 54	137 32		262,044 05
Salaries and labor.....	969,471 37	97,004 00	37,979 50	62,788 82	37,427 84	22,368 50	5,484 37	5,729 64	2,215 84	1,482 17	\$24,684 80	\$1,579 35	174,410 68	55,589 64	35,317 15	11,543 36	\$4,862 86	1,549,939 89
Buildings, repairs.....	57,391 43	1,054 84	1,009 68	1,089 03	1,096 29								6,923 90	1,778 15	852 24	570 95	4,280 44	76,046 95
Grounds.....	2,383 81												878 30	27 75		252 87		3,542 73
Ice.....	10,230 94												1,595 69	439 06	288 91	350 10		12,904 70
Electric lighting, power and gas.....	12,209 39	189 24	276 83	453 84	308 07	110 65							1,366 78	1,679 67	510 32	1,789 64	613 81	19,508 24
Soap, cleansing stuffs, matches, etc.....	14,408 70	325 92	37 33	22 52	15 64	12 74	4 68		1 02	26			1,876 69	313 58	54 40	31 76		17,105 24
Furniture, furnishings and fixtures.....	57,439 77	3 390 09	384 77	1,059 39	1,091 86	201 13	35 41	1 20	1 05	14 66	153 01	62 05	5,320 23	960 47	312 07	352 18		70,779 34
Beds and bedding.....	7,836 66	309 03	8 05	34 41	70 47			24 93					3,363 52	812 97	183 28	141 16		12,784 48
Dry goods, uniforms and clothing.....	16,267 24	135 74	106 62	206 69	115 09	129 47		166 10	4 00				4,910 86	831 84	195 89	183 34		23,252 88
Stationery, printing, postage and advertising.....	14,203 06	3,120 95	714 79	678 18	1,285 46	109 23	15 74				526 77	569 17	1,691 17	292 69	162 08	9 00		23,378 29
Transportation, cartage and freight.....	1,139 80	11 36	9 40	27 16	20 92			66			497 00		5 00	222 65	110 00	40 00		2,083 95
Telephone and telegraphs.....	5,765 28	750 59	68 23	136 47	136 47	34 12		34 12			965 29	153 53	3,623 77	716 94	210 47	95 81	44 00	12,735 09
Laundry repairs, etc.....	10,693 85	124 78	34 03	79 40	22 69	34 03							2,123 72	228 78	102 09	23 69		13,467 06
Garage and ambulance: General supplies.....	8,970 84												990 25	617 85	182 62	91 46		10,853 02
Animals and their maintenance.....			754 03	2,118 08														2,872 11
Training School for Nurses including Nurses' Homes:																		
General supplies, medical supplies and building repairs.....	9,487 71	107 82											1,078 14	53 91	53 90			10,781 48
Annual reports.....	873 59												132 92	84 59	84 59	84 59		1,260 28
Medical library.....	1,624 25																	1,624 25
Loose leaf records: General expenses.....	3,754 79	161 70											211 30					4,127 79
Incidentals.....	1,213 06	74 00		876 06									18 56					2,181 68
Totals.....	\$1,986,144 59	\$127,760 04	\$51,179 80	\$82,784 04	\$85,790 42	\$25,140 12	\$6,006 07	\$11,077 44	\$2,459 49	\$2,016 91	\$26,826 87	\$2,364 10	\$321,713 86	\$91,072 52	\$45,174 73	\$21,050 04	\$9,801 11	\$2,898,362 15
Adjustment:																		
(A) Pathological Laboratory.....	86% 44,014 63	4% 2,047 19											10% 5,117 98					
(B) Thorndike Memorial.....	100% 82,784 04																	
(C) X-Ray and Photographic Department.....	52% 44,611 02	48% 41,179 40																
(D) Department of Physical Therapeutics.....	19% 4,776 62	81% 20,363 50																
(E) Department of Immunology.....	4% 240 24	96% 5,765 83																
(F) Clinical Laboratory.....	82% 9,083 50	18% 1,903 94																
(G) Blood Laboratory.....	60% 1,475 69	40% 983 80																
(H) Department of Oral Surgery.....	32% 645 41	68% 1,371 50																
(I) Department of Social Work.....	50% 13,413 44	48% 13,011 03											1 1/2% 402 40					
(J) Settlement Account.....	94% 2,222 25												6% 141 85					
Totals.....	\$2,189,411 43	\$214,476 23											\$327,376 09	\$91,072 52	\$45,174 73	\$21,050 04	\$9,801 11	\$2,898,362 15
Charged from hospital on account of board of employees:																		
Out-Patient Department.....	\$13,139 87	+13,139 87																
Haymarket Square Relief Station.....	1,746 78													+1,746 78				
East Boston Relief Station.....	1,512 14														+1,512 14			
Convalescent Home.....	834 29															+834 29		
	-17,233 08																	
Total operating expenses.....	\$2,172,178 35	\$227,616 10											\$327,376 09	\$92,819 30	\$46,686 87	\$21,884 33	\$9,801 11	\$2,898,362 15
Deduct for permanent improvements and extraordinary expenditures.....	18,407 99													482 27		800 00	1,698 00	21,388 26
	\$2,153,770 36	\$227,616 10											\$327,376 09	\$92,337 03	\$46,686 87	\$21,084 33	\$8,103 11	\$2,876,973 89
Deduct increase in stock on hand more than January 1, 1930.....	5,688 00	1,239 00													224 00			7,151 00
Add decrease in stock on hand less than January 1, 1930.....													305 00	644 00		295 00	11 00	1,255 00
Amount properly chargeable to maintenance.....	\$2,148,082 36	\$226,377 10											\$327,681 09	\$92,981 03	\$46,462 87	\$21,379 33	\$8,114 11	\$2,871,077 89
Cost per day per ward patient.....	5 64												4 96	5 54	5 54	3 83		
Cost per visit per out-patient.....		64												2 84	1 31			

Table No. 2.

BOSTON CITY HOSPITAL GENERAL DIVISION, 1930. EXPENDITURES IN ACCORDANCE WITH THE UNIFORM SYSTEM OF HOSPITAL ACCOUNTING.

1930. PARTICULARS.	MAIN HOSPITAL.		OUT-PATIENT DEPARTMENT.		HAYMARKET SQUARE RELIEF STATION.		EAST BOSTON RELIEF STATION.		CONVALESCENT HOME.		WEST DEPARTMENT.		Total Expenditures.	Total Expenditures.
	Expenditures, Salaries and Expenses.	Totals.	Expenditures, Salaries and Expenses.	Totals.	Expenditures, Salaries and Expenses.	Totals.	Expenditures, Salaries and Expenses.	Totals.	Expenditures, Salaries and Expenses.	Totals.	Expenditures, Salaries and Expenses.	Totals.		
Administration Salaries..... Expenses.....	\$161,060 80 29,249 37		\$43,243 38 4,033 24		\$15,536 52 1,009 63		\$8,858 20 372 55		\$2,279 39 104 81		\$63 58 44 00		\$265,855 47	
		\$190,310 17		\$47,276 62		\$16,546 15		\$9,230 75		\$2,384 20		\$107 58		\$265,855 47
PROFESSIONAL CARE OF PATIENTS.														
Physicians: Salaries.....		8,427 86											\$8,427 86	
Superintendent of Nurses and Assistants: Salaries.....		17,317 61		1,550 00		1,779 19		1,429 11					22,075 91	
Graduate Nurses: Salaries.....		124,019 02		15,669 61		2,313 38		105 97		1,563 38			143,671 36	
Undergraduate Nurses: Salaries.....		10,100 62		702 00		568 25		389 44					41,760 31	
Male Nurses: Salaries.....		13,634 01		1,262 38									14,896 39	
Ward Employees: Salaries.....		174,989 71		5,443 89		3,483 91		2,667 46					186,584 97	
Apothecaries and Assistants: Salaries.....		11,103 61		569 60		341 76		227 84		170 88			12,413 69	
Medical and Surgical Supplies: Expenses.....		171,526 85		12,903 58		6,199 43		1,937 34		137 32			192,704 52	
X-Ray and Photographic Department: Salaries..... Expenses.....	\$19,462 48 25,551 96		\$17,965 36 23,214 04		\$1,017 71 1,251 86		\$86 20						88,549 61	
		45,014 44		41,179 40		2,269 57		86 20						
Pathological Laboratory: Salaries..... Expenses.....	96% \$36,460 32 12,672 29		4% \$1,519 18 528 01										51,179 80	
		49,132 61		2,047 19										
Thorndike Memorial Laboratory: Salaries..... Expenses.....	100% \$62,788 82 19,995 22												82,784 04	
		82,784 04												
Clinical Laboratory: Salaries..... Expenses.....	82% \$4,698 30 4,385 20		18% \$1,031 34 962 60										11,077 44	
		9,083 50		1,993 94										
Blood Laboratory: Salaries..... Expenses.....	60% \$1,329 50 146 19		40% \$886 34 97 46										2,459 49	
		1,475 69		983 80										
Department of Immunology: Salaries..... Expenses.....	4% \$219 37 20 87		96% \$5,265 00 500 83										6,006 07	
		240 24		5,765 83										
Department of Physical Therapeutics: Salaries..... Expenses.....	19% \$4,250 01 526 61		81% \$18,118 49 2,245 01										25,140 12	
		4,776 62		20,363 50										
Department of Oral Surgery: Salaries..... Expenses.....	32% \$474 29 171 12		68% \$1,007 88 363 62										2,016 91	
		645 41		1,371 50										
Department of Social Service: Salaries..... Expenses.....	51 1/2% \$12,712 67 1,103 17		48 1/2% \$11,972 13 1,038 90										26,826 87	
		13,815 84		13,011 03										
Settlement Account: Salaries..... Expenses.....	100% \$1,579 35 784 75												2,364 10	
		2,364 10												920,939 46
DEPARTMENT EXPENSES.														
Ambulance: Salaries..... Expenses.....	\$31,782 07 10,386 17				\$7,203 77 617 85		\$7,142 51 182 62		\$796 87 91 46				\$58,203 32	
		42,168 24			7,821 62		7,325 13		888 33					
Training School: Salaries..... Expenses.....	\$14,577 58 10,565 85		\$323 48 107 82		\$190 28 53 91		\$133 20 53 90						26,006 02	
		25,143 43		431 30	244 19		187 10							
Housekeeping Salaries..... Expenses.....	\$151,337 48 16,518 08		\$19,393 84 470 39		\$6,165 24 345 33		\$2,527 60 64 60		\$2,366 78 31 06				199,220 40	
		167,855 56		19,864 23	6,510 57		2,592 20		2,397 84					
Equipment: Expenses.....		80,006 99		3,644 30	2,127 08		530 28		567 55				86,876 20	
Steward's Department: Salaries..... Expenses.....	\$645,254 19 10,530 10		\$371 65		\$619 42 17,547 51		\$247 77 4,052 38		\$247 77 4,901 91				683,772 70	
		655,784 29		371 65	18,166 93		4,300 15		5,149 68					
Kitchen and Dining Room: Salaries.....		141,253 37			3,336 01		2,031 08		1,054 37				147,674 83	
Laundry: Salaries..... Expenses.....	\$98,487 92 22,232 88		\$1,023 45 124 78		\$5,609 84 228 78		\$2,677 51 102 09		\$1,846 67 23 69				132,357 61	
		120,720 80		1,148 23	5,838 62		2,779 60		1,870 36					
Heat, Light and Power: Salaries..... Expenses.....	\$61,633 90 90,468 94		\$5,041 21 8,287 23		\$6,893 36 3,548 51		\$6,684 46 1,278 03		\$502 03 2,593 09		\$613 81		187,544 57	
		152,102 84		13,328 44	10,441 87		7,962 49		3,095 12		613 81			1,521,655 65
BUILDINGS AND GROUNDS.														
Buildings: Salaries..... Expenses.....	\$59,840 95 64,315 33		\$2,409 51 1,054 84		\$531 00 1,778 15		\$195 00 852 24		\$277 50 570 95		\$3,599 46 4,280 44		\$139,705 37	
		124,156 28		3,464 35	2,309 15		1,047 24		848 45		7,879 90			
Grounds: Salaries..... Expenses.....	\$11,034 58 3,262 11				\$27 75				\$437 72 262 87		\$1,199 82		16,214 85	
		14,296 69			27 75				690 59		1,199 82			155,920 22
Miscellaneous: Salaries..... Expenses.....	\$12,750 86 19,786 22		\$129 86		\$747 09		\$345 35		\$231 97				\$33,991 35	
		32,537 08		129 86	747 09		345 35		231 97					
Totals.....		\$2,516,787 52		\$214,476 23		\$91,072 52		\$45,174 73		\$21,050 04		\$9,801 11		\$2,898,362 15
Deduct board of employees.....		17,233 08												17,233 08
Add board of employees.....				13,139 87		1,746 78		1,512 14		834 29				\$2,915,595 23
Total operating expenses.....		\$2,499,554 44		\$227,616 10		\$92,819 30		\$46,686 87		\$21,884 33		\$9,801 11		\$2,898,362 15
Deduct for permanent improvements and extraordinary expenditures.....		18,407 99				482 27				800 00		1,698 00		21,388 26
Net total operating expenditures.....		\$2,481,146 45		\$227,616 10		\$92,337 03		\$46,686 87		\$21,084 33		\$8,103 11		\$2,876,973 89
Deduct difference in stock on hand more than January 1, 1930.....		5,383 00		1,239 00				224 00						6,846 00
Add difference in stock on hand less than January 1, 1930.....						644 00				295 00		11 00		\$2,870,127 89
													950 00	
Amount properly chargeable to maintenance.....		\$2,475,763 45		\$226,377 10		\$92,981 03		\$46,462 87		\$21,379 33		\$8,114 11		\$2,871,077 89
Total patients day's treatment.....	447,219				3,256		579		5,582					
Cost per day per ward patient.....		5 54			5 54		32,914		5 54		3 83			
Total visits of out-patients.....			355,371		26,421									
Cost per day per out-patient.....				64	2 84		1 31							

Table No. 3.

EXPENDITURES, CLASSIFIED, IN ACCORDANCE WITH
SEGREGATED BUDGET FOR THE YEAR 1930.

GROUP AND ITEM.	ALL DEPARTMENTS.	
	1930.	
A. PERSONAL SERVICE.....		\$1,537,189 03
Permanent employees.....	\$1,449,805 07	
Temporary employees.....	73,729 66	
Unassigned.....	13,654 30	
B. SERVICE OTHER THAN PERSONAL.....		133,200 51
Printing and binding.....	\$1,984 33	
Advertising and posting.....	113 50	
Transportation of persons.....	1,381 25	
Cartage and freight.....	505 54	
Light, heat and power.....	7,612 90	
Premium on surety bond.....	96 00	
Communication.....	12,733 14	
Motor vehicle repairs.....	3,793 72	
Motorless vehicle repairs.....	2,024 75	
Care of persons.....	489 11	
Cleaning.....	32 19	
Removal of snow.....	1,693 25	
Expert and architect.....	860 04	
Fees, service of venires, etc.....	150 00	
General plant repairs.....	99,730 79	
C. EQUIPMENT.....		154,298 41
Machinery.....	\$101 60	
Electrical.....	2,710 93	
Motor vehicles.....	4,207 55	
Motorless vehicles.....	1,006 41	
Furniture and fittings.....	42,500 47	
Office.....	1,833 25	
Library.....	1,113 18	
Medical, surgical, laboratory.....	73,540 20	
Tools and instruments.....	9,078 00	
Wearing apparel.....	18,206 82	
Carried forward.....		\$1,824,687 95

EXPENDITURES, CLASSIFIED, IN ACCORDANCE WITH SEGREGATED
BUDGET FOR THE YEAR 1930.— *Concluded.*

GROUP AND ITEM.	ALL DEPARTMENTS.	
	1930.	
<i>Brought forward</i>		\$1,824,687 95
D. SUPPLIES.....		1,023,682 64
Office.....	\$28,913 84	
Food and ice.....	671,762 11	
Fuel.....	106,253 56	
Forage and animals.....	958 41	
Medical, surgical, laboratory.....	180,434 65	
Laundry, cleaning and toilet.....	19,646 79	
Educational and recreational.....	941 22	
Agricultural.....	36 16	
Motor vehicles.....	2,251 94	
Chemicals and disinfectants.....	500 84	
General plant.....	11,983 12	
E. MATERIALS.....		37,240 70
Buildings.....	\$23,452 21	
Machinery.....	3,742 05	
Electrical.....	7,315 36	
General plant.....	2,731 08	
F. SPECIAL ITEMS.....		12,750 86
Pensions and annuities.....	\$2,789 63	
Workingmen's compensation.....	9,961 23	
Total expenditures.....		\$2,898,362 15

Table No. 4.

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930, INCLUSIVE.

ARTICLES.	Quantity.	Average Price.	Cost.
THE MAIN HOSPITAL, SOUTH DEPARTMENT, HAYMARKET SQUARE RELIEF STATION, EAST BOSTON RELIEF STATION, CONVALESCENT HOME AND WEST DEPARTMENT.			
Beef and veal.....	394,004 lbs.	\$0.314 per lb.	\$123,651 26
Mutton and lamb.....	157,243 "	.321 "	50,437 36
Poultry.....	148,889 "	.374 "	55,673 42
Pork and hams.....	250,237 "	.297 "	74,389 11
Fish.....			14,222 90
Lard.....	12,752 lbs.	.152 per lb.	1,937 43
Milk.....	788,308 qts.	.111 per qt.	87,854 85
Butter.....	107,763 lbs.	.359 per lb.	38,740 75
Cheese.....	6,407 "	.324 "	2,078 98
Eggs.....	105,491 "	.44 per doz.	46,447 15
Vegetables, fresh.....			49,809 12
Vegetables, canned.....			10,358 17
Fruit, fresh.....			33,842 62
Fruit, canned.....			21,104 61
Flour.....	1,199 bbls.	5.578 per bbl.	6,687.61
Graham flour.....	22 $\frac{1}{4}$ "	5.673 "	126 23
Oatmeal.....	41 "	5.728 "	234 83
Cornstarch and farina.....	5,184 lbs.	.069 per lb.	357 32
Rice.....	8,000 "	.057 "	454 66
Other cereals.....			6,626 02
Groceries.....			11,867 98
Coffee.....	30,735 lbs.	.279 per lb.	8,570 23
Tea.....	8,455 "	.473 "	4,002 89
Chocolate and cocoa.....	2,622 "	.138 "	362 91
Sugar.....	183,388 "	.047 "	8,655 89
Molasses and syrup.....	618 $\frac{1}{3}$ "	.577 per gal.	356 99
<i>General Supplies.</i>		<i>Cost.</i>	
Printing.....		\$8,708 69	
Stationery.....		6,626 96	
<i>Carried forward.....</i>		\$15,335 65	\$658,851 29

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Totals.
<i>Brought forward</i>	\$15,335 65	\$658,851 29
<i>General Supplies.—Continued.</i>		
Postage.....	908 85	
Advertising proposals, etc.....	113 50	
Telephone rentals.....	9,117 77	
Telephone, telegraph and messenger service.....	1,338 50	
Vose House and Drown House:		
General supplies..... \$3,281 05		
Medical supplies..... 9 45		
Buildings..... 6,227 30		
Wages, housecleaning..... 3,770 89		
	13,288 69	
Training School for Nurses:		
General supplies.....	1,155 86	
Garage and ambulance:		
Expenses..... \$8,635 63		
Fuel oil, 12,697.35 gallons at \$0.033 per gal. 425 08		
	9,060 71	
Garage supplies.....	218 38	
Gasoline.....	1,999 01	
Soap and cleansing stuffs.....	16,065 57	
Dry goods.....	6,847 62	
Furniture.....	10,974 92	
Furnishings.....	43,834 15	
Fixtures.....	9,237 62	
Bedsteads.....	1,533 95	
Mattresses.....	1,541 25	
Bedding.....	9,262 39	
Laundry Supplies:		
Expenses..... \$13,172 13		
Fuel oil, 281,246.43 gallons at \$0.033 per gal. 9,415 31		
	22,587 44	
Gas, 4,156,900 cubic feet at \$1.126 per 1,000 cubic feet...	4,680 90	
Electric light purchased.....	2,023 00	
Electric light system.....	8,867 17	
Electrical appliances.....	2,598 54	
Kerosene, matches and candles.....	128 61	
Ice, 2,132 ⁵³⁵ / ₁₀₀₀ tons at \$6.052 per ton.....	12,904 70	
<i>Carried forward</i>	\$205,624 75	\$658,851 29

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Totals.
<i>Brought forward</i>	\$205,624 75	\$658,851 29
<i>General Supplies.— Concluded.</i>		
Transportation and express.....	869 50	
Cartage and freight.....	647 95	
Insurance.....	96 00	
Clothing for patients.....	11,197 76	
Uniforms, caps, etc.....	4,279 27	
Annual reports.....	1,260 28	
Medical library.....	1,624 25	
Clinical records:		
Expense..... \$3,966 09		
Salaries..... 14,374 33		
	18,340 42	
Housecleaning:		
Soap..... \$490 95		
Brushes, etc..... 338 03		
Uniforms, caps, etc..... 64 52		
	893 50	
Incidentals not otherwise classified.....	1,135 62	
		245,969 30
<i>Medical Supplies.</i>		
Surgical appliances.....	\$21,379 57	
Splints and crutches.....	1,873 37	
Surgical instruments.....	27,618 66	
X-ray apparatus.....	96 30	
X-ray supplies.....	1,645 18	
Druggists' sundries.....	3,824 10	
Laboratory ware.....	3,541 20	
Surgical dressings.....	5,081 53	
Bandage and compress materials.....	5,476 12	
Gauze.....	31,330 19	
Absorbent cotton.....	2,466 63	
Medicinal gases.....	4,880 58	
Sulphuric ether.....	3,424 40	
Medicine and drugs.....	58,184 40	
Flaxseed meal.....	1,691 19	
Alcohol.....	4,343 67	
Radium.....	623 80	
<i>Carried forward</i>	\$177,480 89	\$904,820 59

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Cost.	Totals.
<i>Brought forward</i>		\$177,480 89	\$904,820 59
<i>Medical Supplies.— Concluded.</i>			
Liquors.....		1,170 08	
Malt liquors and mineral waters.....		2,402 34	
Care of patients.....		489 11	181,542 42
<i>Fuel.</i>			
Coal, 595 $\frac{11}{100}$ tons at \$7.84 per ton.....		\$4,671 19	
Oil, 2,245,527.22 gallons at \$0.033 per gallon.....		75,173 97	
Charcoal.....		307 00	
Wood.....		29 00	
Coke.....		23 00	80,204 16
<i>Salaries and Labor.</i>			
Salaries and wages.....		\$7,600 00	
Pay rolls.....		1,174,998 83	
Wages, house cleaners.....		37,700 15	
Pensions.....		2,789 63	
Injured employees.....		9,961 23	1,233,049 84
<i>Buildings.</i>			
General repairs.....		\$39,523 45	
Boilers and heating apparatus.....		15,853 01	
Painting.....		5,860 05	
Plumbing.....		3,735 11	
Drains and sewers.....		821 22	
Refrigerating plant.....		2,427 13	
Walls and fences.....		3,577 14	71,797 11
<i>Grounds.</i>			
Care of grounds.....			3,542 73
			\$2,474,956 85
Deduct for board of employees: Out-Patient Department.....			13,139 87
Total expenditures for maintaining Main Departments for year ending December 31, 1930.....			\$2,461,816 98
<i>OUT-PATIENT DEPARTMENT.</i>			
<i>General Supplies.</i>			
Printing, stationery and postage.....	\$3,120 95		
Telephone rentals.....	750 59		
<i>Carried forward</i>	\$3,871 54		\$2,461,816 98

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Cost.	Totals.
<i>Brought forward</i>	\$3,871 54	.....	\$2,461,816 98
OUT-PATIENT DEPARTMENT.— <i>Continued.</i>			
<i>General Supplies.— Concluded.</i>			
Account Training School for Nurses:			
Training School for Nurses, Vose House, Drown House:			
General supplies.....	\$44 92		
Buildings.....	62 90		
Wages, house cleaning.....	38 09		
	145 91		
Soap and cleansing stuffs.....	160 91		
Dry goods, uniforms and clothing for patients.....	135 74		
Furniture, furnishings and fixtures.....	3,244 03		
Mattresses and bedding.....	309 03		
Laundry supplies.....	124 78		
Gas, 39,200 cubic feet at \$1.00 per 1,000 cubic feet.....	39 20		
Electric light system.....	130 39		
Electrical appliances.....	19 65		
Kerosene, matches and candles.....	1 59		
Transportation and express.....	11 36		
Clinical records and cataloguing:			
Printing.....	\$161 70		
Salaries.....	27,257 81		
	27,419 51		
House cleaning: Soap, \$163.42, brushes, etc., \$146.06.....	309 48		
Incidentals not otherwise classified.....	74 00		
		\$35,997 12	
<i>Medical Supplies.</i>			
Surgical instruments and appliances.....	\$3,036 27		
Splints and crutches, drug sundries and laboratory ware.....	584 81		
Dressings, gauze, bandage and absorbent cotton.....	2,765 45		
Medicinal gases, ether, alcohol, drugs.....	6,517 05		
		12,903 58	
<i>Fuel.</i>			
Oil, 241,854.34 gallons at \$0.033 per gallon..	.....	8,096 40	
<i>Carried forward</i>.....	.....	\$56,997 10	\$2,461,816 98

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Cost.	Totals.
<i>Brought forward</i>		\$56,997 10	\$2,461,816 98
OUT-PATIENT DEPARTMENT.— <i>Concluded.</i>			
<i>Salaries and Labor.</i>			
Salaries and wages.....	\$160 00		
Pay rolls.....	62,491 79		
Wages, house cleaning.....	7,056 31	69,708 10	
<i>Buildings.</i>			
Building repairs, heating apparatus, painting and plumbing.....		1,054 84	
		\$127,760 04	
Add for board of Out-Patient employees.		13,139 87	140,899 91
PATHOLOGICAL LABORATORY.			
<i>General Supplies.</i>			
Printing and stationery.....	\$714 79		
Telephone rentals.....	68 23		
Soap and cleansing stuffs.....	31 87		
Dry goods, uniforms and caps.....	105 79		
Bedding.....	8 05		
Furnishings and fixtures.....	382 71		
Laundry.....	34 03		
Gas, 253,900 cubic feet at \$1 per 1,000 cubic feet.....	253 90		
Electric light system.....	8 32		
Electrical appliances.....	14 61		
Kerosene, matches and candles.....	2 65		
Transportation, express, cartage, etc.....	9 40		
Hay, grain and straw.....	683 69		
House cleaning: Soap, \$2.81; brushes, etc., \$2.06; uniforms, \$0.83.....	5 70	\$2,323 74	
<i>Medical Supplies.</i>			
Surgical instruments, appliances and laboratory ware.....	\$4,774 92		
Micro-photographic supplies.....	89 14		
Bandage and absorbent cotton.....	117 55		
Medicinal gases, ether, alcohol, chemicals, serum.....	1,778 78		
Animals.....	70 34	6,830 73	
<i>Carried forward</i>		\$9,154 47	\$2,602,716 89

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Cost.	Totals.
<i>Brought forward</i>		\$9,154 47	\$2,602,716 89
<i>PATHOLOGICAL LABORATORY.— Concluded.</i>			
<i>Fuel.</i>			
Oil, 90,695.38 gallons at \$0.033 per gallon ..		3,036 15	
<i>Salaries and Labor.</i>			
Salaries and wages	\$80 00		
Pay rolls	37,488 38		
Wages, house cleaning	411 12		
<i>Buildings.</i>		37,979 50	
Building repairs, heating apparatus and plumbing		1,009 68	
			51,179 80
<i>THORNDIKE MEMORIAL LABORATORY.</i>			
<i>General Supplies.</i>			
Printing, stationery and postage	\$678 18		
Telephone rentals	136 47		
Soap and cleansing stuffs	16 16		
Uniforms and caps	205 40		
Furniture, furnishings and fixtures	1,056 22		
Mattresses and bedding	34 41		
Laundry	79 40		
Gas, 415,900 cubic feet at \$1 per 1,000 cubic feet	415 90		
Electric light system	28 98		
Electrical appliances	8 96		
Kerosene, matches and candles	2 01		
Cartage and freight	27 16		
Hay, grain and straw	284 02		
House cleaning: Soap, \$4.35; brushes, etc., \$3.17; uniforms, \$1.29	8 81		
Incidentals not otherwise classified	876 06		
<i>Medical Supplies.</i>		\$3,858 14	
Surgical instruments, appliances and laboratory ware	\$8,457 40		
Micro-photographic supplies	695 52		
Gauze and absorbent cotton	88 41		
Medicinal gases, chemicals, ether and alcohol	1,866 14		
Animals	1,834 06		
		12,941 53	
<i>Carried forward</i>		\$16,799 67	\$2,653,896 69

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Cost.	Totals.
<i>Brought forward</i>		\$16,799 67	\$2,653,896 69
THORNDIKE MEMORIAL LABORATORY. — <i>Concluded.</i>			
<i>Fuel.</i>			
Oil, 63,791.43 gallons at \$0.033 per gallon.....		2,106 52	
<i>Salaries and Labor.</i>			
Salaries and wages.....	\$80 00		
Pay rolls.....	62,102 66		
Wages, house cleaning.....	606 16		
		62,788 82	
<i>Buildings.</i>			
Building repairs, heating apparatus and plumbing.....		1,089 03	
			82,784 04
X-RAY AND PHOTOGRAPHIC DEPARTMENT.			
<i>General Supplies.</i>			
Printing, stationery and postage.....	\$1,285 46		
Telephone rentals.....	136 47		
Soap and cleansing stuffs.....	13 08		
Dry goods, clothing for patients and uniforms.....	114 33		
Furniture and furnishings.....	1,090 00		
Mattresses and bedding.....	70 47		
Laundry.....	22 69		
Electric power purchased.....	200 00		
Electric light system.....	44 16		
Electrical appliances.....	63 91		
Cartage and freight.....	20 92		
House cleaning: Soap, \$2.56; brushes, etc., \$1.86; uniforms, etc., \$0.76.....	5 18		
		\$3,066 67	
<i>Medical Supplies.</i>			
Instruments and appliances.....	\$466 09		
X-ray and photographic apparatus.....	9,391 90		
X-ray and photographic supplies.....	29,139 64		
Dressings, gauze, absorbent cotton and bandage material.....	36 91		
Chemicals, sulphuric ether and alcohol.....	2,211 34		
		41,245 88	
<i>Fuel.</i>			
Oil, 87,367.48 gallons at \$0.033 per gallon.....		2,953 74	
<i>Carried forward</i>		\$47,266 29	\$2,736,680 73

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE, *Continued.*

ARTICLES.	Cost.	Cost.	Totals.
<i>Brought forward</i>		\$47,266 29	\$2,736,680 73
X-RAY AND PHOTOGRAPHIC DEPARTMENT. — <i>Concluded.</i>			
<i>Salaries and Labor.</i>			
Salaries and wages.....	\$80 00		
Pay rolls.....	37,043 60		
Wages, house cleaning.....	304 24	37,427 84	
<i>Buildings.</i>			
Building repairs, heating apparatus and plumbing.....		1,096 29	85,790 42
DEPARTMENT OF PHYSICAL THERAPEUTICS.			
<i>General Supplies.</i>			
Printing and stationery.....	\$109 23		
Telephone rentals.....	34 12		
Soap and cleansing stuffs.....	9 58		
Dry goods and clothing for patients.....	129 47		
Laundry.....	34 03		
Furniture and furnishings.....	196 75		
Electrical appliances.....	110 65		
House cleaning: Soap, \$3.16; brushes, etc., \$4.38.....	7 54	\$631 37	
<i>Medical Supplies.</i>			
Instruments, appliances and splints and crutches.....	\$980 74		
Dressings, bandage, gauze and absorbent cotton.....	1,077 34		
Chemicals, ether and alcohol.....	82 17	2,140 25	
<i>Salaries and Labor.</i>			
Pay rolls.....	\$22,155 14		
Wages, house cleaning.....	213 36	22,368 50	25,140 12
DEPARTMENT OF IMMUNOLOGY.			
<i>General Supplies.</i>			
Printing and stationery.....	\$15 74		
Soap and cleansing stuffs.....	2 33		
Furniture and furnishings.....	33 93		
Kerosene, matches and candles.....	15		
House cleaning: Soap, \$2.20; brushes, etc., \$1.48.....	3 68	\$55 83	
<i>Carried forward</i>		\$55 83	\$2,847,611 27

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Cost.	Totals.
<i>Brought forward</i>		\$55 83	\$2,487,611 27
DEPARTMENT OF IMMUNOLOGY.— <i>Concluded.</i>			
<i>Medical Supplies.</i>			
Surgical instruments, appliances and laboratory ware.....	\$212 69		
Surgical dressings, gauze and absorbent cotton.....	44 58		
Chemicals, alcohol and serum.....	208 60		
		465 87	
<i>Salaries and Labor.</i>			
Pay rolls.....	\$5,388 25		
Wages, house cleaning.....	96 12		
		5,484 37	
			6,006 07
CLINICAL LABORATORY.			
<i>General Supplies.</i>			
Telephone rentals.....	\$34 12		
Dry goods, uniforms, etc.....	166 10		
Furnishings.....	1 20		
Bedding.....	24 93		
Cartage and freight.....	66		
		\$227 01	
<i>Medical Supplies.</i>			
Surgical instruments, appliances, laboratory ware.....	\$284 81		
Gauze.....	15 46		
Chemicals and sulphuric ether.....	4,820 52		
		5,120 79	
<i>Salaries and Labor.</i>			
Pay rolls.....		5,729 64	
			11,077 44
BLOOD LABORATORY.			
<i>General Supplies.</i>			
Dry goods.....	\$4 00		
House cleaning: Soap, \$1.02; brushes, etc., \$1.05.....	2 07		
		\$6 07	
<i>Medical Supplies.</i>			
Surgical instruments, appliances and laboratory ware.....	\$197 45		
Absorbent cotton and gauze.....	26 84		
Chemicals and alcohol.....	13 29		
		237 58	
<i>Carried forward</i>		\$243 65	\$2,864,694 78

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Cost.	Totals.
<i>Brought forward</i>		\$243 65	\$2,864,694 78
BLOOD LABORATORY.— <i>Concluded.</i>			
<i>Salaries and Labor.</i>			
Pay rolls.....	\$2,064 10		
House cleaning.....	151 74		
		2,215 84	2,459 49
DEPARTMENT OF ORAL SURGERY.			
<i>General Supplies.</i>			
Furnishings.....	\$14 40		
House cleaning: Soap, \$0.26; brushes, etc., \$0.26.....	52	\$14 92	
<i>Medical Supplies.</i>			
Surgical instruments, appliances and appa- ratus.....	\$491 14		
Medicine and drugs, ether and alcohol.....	28 68	519 82	
<i>Salaries and Labor.</i>			
Pay rolls.....	\$1,448 33		
Wages, house cleaning.....	33 84	1,482 17	2,016 91
DEPARTMENT OF SOCIAL WORK.			
<i>General Supplies.</i>			
Printing, stationery and postage.....	\$526 77		
Furniture and furnishings.....	153 01		
Telephone rentals.....	818 82		
Telephone, telegraph and messenger service,	146 47		
Transportation.....	497 00	\$2,142 07	
<i>Salaries and Labor.</i>			
Pay rolls.....		24,684 80	26,826 87
SETTLEMENT ACCOUNT.			
<i>General Supplies.</i>			
Printing, stationery and postage.....	\$569 17		
Telephone rentals.....	153 53		
Furniture and furnishings.....	62 05	\$784 75	
<i>Salaries and Labor.</i>			
Pay rolls.....		1,579 35	2,364 10
Total disbursements.....			\$2,898,362 15
<i>Carried forward</i>			\$2,898,362 15

DISBURSEMENTS FROM JANUARY 1, 1930, TO DECEMBER 31, 1930,
INCLUSIVE.— *Continued.*

ARTICLES.	Cost.	Cost.	Totals.
<i>Brought forward</i>			\$2,898,362 15
STOCK ON HAND JANUARY 1, 1930.			
<i>All Departments.</i>			
General supplies.....		\$99,850 00	
Fuel.....		3,434 00	
Medical supplies.....		26,292 00	129,576 00
Total expenditures for all purposes.....			\$3,027,938 15
DEDUCT.			
STOCK ON HAND JANUARY 1, 1931.			
General supplies.....		\$104,806 00	
Fuel.....		2,085 00	
Medical supplies.....		28,581 00	135,472 00
Total maintenance expenses.....			\$2,892,466 15
DEDUCT REVENUE.			
Income from paying patients:			
Collected by hospital.....	\$182,971 40		
Collected by City Collector for contagious cases.....	18,782 37		
		\$201,753 77	
Revenue on account of maintenance:			
Interest on trust funds.....		2,580 05	
Sundry revenue:			
Sale of bones, trimmings, bread crumbs, and old material.....		2,480 73	
Commission on automatic telephones.....		535 98	
Birth fees.....		479 00	
Interest on bank deposit.....		93 93	
Rent of booth — West Department.....		100 00	
Refund on customs.....		64 07	208,087 53
Net cost to the City for maintaining all departments from January 1, 1930, to December 31, 1930, inclusive.....			\$2,684,378 62

Table No. 5.

**COMPARISON OF THE CENSUS AND EXPENDITURES AT THE BOSTON
CITY HOSPITAL FOR THE YEARS ENDING DECEMBER 31, 1926,
1927, 1928, 1929, AND 1930.**

POPULATION.	ALL DEPARTMENTS EXCEPT SANATORIUM DIVISION.				
	1926.	1927.	1928.	1929.	1930.
Number of patients at beginning of year.	905	931	1,065	1,003	1,162
Number admitted during year.	24,855	27,088	27,249	28,715	32,476
Number discharged during year, including deaths.	24,818	26,954	27,321	28,556	32,364
Number remaining at end of year. . .	942	1,065	993	1,162	1,274
DAILY AVERAGE OF DAYS' BOARD GIVEN.					
Patients.	953	1,087.2	1,127.3	1,147.3	1,251
Officers and employees.	815.8	885.3	948.3	1,079	1,223.2
House officers and special nurses. . .	130.9	144.8	149.1	145.1	158.6
Totals.	1,899.7	2,117.3	2,224.7	2,371.4	2,632.8
EXPENDITURES.					
Ordinary expenditures:					
Personal service.	\$996,022 51	\$1,083,918 94	\$1,149,994 68	\$1,338,195 87	\$1,537,189 03
Service other than personal.	69,627 23	69,640 90	82,380 63	107,404 52	114,952 55
Equipment.	112,783 49	107,373 18	118,256 92	129,392 52	152,033 11
Supplies.	668,096 85	712,680 09	784,783 84	937,519 22	1,023,682 64
Materials.	30,831 94	29,623 00	30,676 61	32,379 13	36,365 70
Special items.	6,174 45	7,597 70	10,178 37	10,645 97	12,750 86
Incidental expenditures.	300 00				
Extraordinary expenditures (per- manent improvements, etc.):					
Service other than personal.	17,029 94	31,141 35	8,824 46	28,152 17	18,247 96
Equipment.		6,475 00	533 00	1,185 25	2,265 30
Supplies.				3 25	
Materials.				339 01	875 00
Special items.		625 00			
Incidental expenditures.				27,152 53	
Totals.	\$1,900,866 41	\$2,049,075 16	\$2,185,628 51	\$2,612,369 44	\$2,898,362 15

PER CAPITA COSTS YEAR 1930.

	Per Visit.	Per Day.	Per Week.
Hospital proper:			
Per ward patient (after deducting cost of permanent improvements and extraordinary expenditures).....		\$5 64	\$39 46
Per person, for uncooked food supplies.....		68	4 79
Per out-patient, per visit.....	\$0 64		
South Department:			
Per patient.....		4 96	34 69
Per person, for uncooked food supplies.....		68	4 78
Hospital proper and South Department, together:			
Per ward patient (after deducting cost of permanent improvements and extraordinary expenditures).....		5 54	38 75
Haymarket Square Relief Station:			
Per ward patient.....		5 54	38 75
Per out-patient, per visit.....	2 84		
East Boston Relief Station:			
Per ward patient.....		5 54	38 75
Per out-patient, per visit.....	1 31		
Convalescent Home:			
Per patient.....		3 83	26 79
All Departments except Sanatorium Division:			
Per person, for uncooked food supplies.....		69	4 80

Table No. 6.
REVENUE FROM ALL SOURCES RECEIVED DURING THE YEAR 1930.

	Hospital Proper.	South Depart- ment.	Haymarket Square Relief Station.	East Boston Relief Station.	West Depart- ment.	All Depart- ments.	Totals.	Grand Totals.
Revenue, Account of Maintenance:								
Interest on Trust Funds.....	\$2,580 05							\$2,580 05
Sundry Revenue:								
Income from paying patients collected by Hospital:								
For ward patients.....	144,683 06	\$4,758 07	\$2,397 38	\$185 49		\$4,311 03	\$156,335 03	
For out-patients.....	23,931 37		1,620 00	178 00		907 00	26,636 37	
Received by City Collector for contagious cases.....		18,782 37					18,782 37	201,753 77
Sale of bones and trimmings.....	2,025 48	279 74	27 93					2,333 15
Sale of bread crumbs.....	78 48							78 48
Sale of old material.....	69 10							69 10
Commission on automatic telephones.....	457 81	46 00	32 17					535 98
Birth fees.....	479 00							479 00
Rent of booth.....					\$100 00			100 00
Interest on bank deposit.....	93 93							93 93
Refund on customs.....	64 07							64 07
Totals.....	\$174,462 35	\$23,866 18	\$4,077 48	\$363 49	\$100 00	\$5,218 03		\$208,087 53

The tables of disbursements in this report show the expenditures of the Hospital Department for the year 1930. Tables No. 1 and No. 2 show the disbursements in various subdivisions with per capita costs. Table No. 2 shows the Hospital proper combined with South Department to form the main Hospital. Table No. 3 shows the expenditures according to the budget classification. Table No. 4 shows the detailed disbursements in various subdivisions. Table No. 5 is a comparison of the census and expenditures for the past five years. Table No. 6 is a statement of the revenue received from all sources during the year.

The total expenditures for the fiscal year for Hospital Department, in the various branches, excepting the Sanatorium Division, have been \$2,898,362.15. The disbursements have been made as follows:

	All Departments, except Sanatorium Division.
For personal service	\$1,537,189 03
Service other than personal	133,200 51
Equipment	154,298 41
Supplies	1,023,682 64
Materials	37,240 70
Special items	12,750 86
Total	<u>\$2,898,362 15</u>

The Hospital proper has eleven subdivisions, the Hospital (wards) proper, Out-Patient Department, Pathological Laboratory, Thorndike Memorial, X-Ray Department, Department of Physical Therapeutics, Department of Immunology, Blood Laboratory, Clinical Laboratory, Department of Oral Surgery, Department of Social Work.

The expenditures for the South Department for infectious diseases, the Haymarket Square Relief Station, the East Boston Relief Station, the Convalescent Home and the West Department are kept in separate tables.

The average weekly expenditure per ward patient in the Hospital proper was \$39.46, at South Department, \$34.69; at the main Hospital (Hospital proper and South Department combined), \$38.75. At the Convalescent Home the average weekly expenditure per patient was \$26.79.

The expenditure per visit per out-patient at the Hospital proper was 64 cents; at the Haymarket Square Relief Station, \$2.84; at the East Boston Relief Station, \$1.31.

The expenditure per person for uncooked food supplies in all the Hospital Departments, excepting the Sanatorium Division, was \$4.80 per week, or 69 cents per day.

The total expenditures of the Hospital Department, excepting the Sanatorium Division, have been \$2,898,362.15, but the net cost to the city for maintaining it was only \$2,684,378.62.

The maximum number of patients in the Hospital proper on any one day was 1,167 as against 1,166 in the previous year. The minimum number was 944 in comparison with 813 for the previous year. The daily average during the year was 1,044.1 and the average length of stay was 13.3 days.

There have been treated in the various out-patient departments at the Hospital proper 98,154 patients. Other statistics may be found elsewhere, including the visits of out-patients, rate of mortality, work of ambulances, census of days' board for all persons, the nativity of patients admitted, and physical condition of patients when discharged.

The total number of deaths during the year was 1,927. This includes only the statistics of the Hospital proper.

Of the deaths, there occurred within

48 hours of admission	661 or 2.3 per cent
Other deaths	1,266 or 4.4 per cent
Total	1,927 or 6.7 per cent

the rate of mortality for the year 1930.

This percentage of deaths is for the total number of patients treated in the Hospital. The deaths occurring within forty-eight hours of admission, 661, were 34 per cent of the whole number of deaths (1,927).

During the past year 28,665 patients were treated in the wards of the Hospital proper, 98,154 as out-patients; 357 at the Convalescent Home; 2,125 at the South Department; at the Haymarket Square Relief Station 2,280 were treated in the wards and 26,421 as out-patients, and at the East Boston Relief Station, 211 were treated in the wards and 12,546 as out-patients, making a total of 170,402 who have received the

benefits of the Hospital in all departments. The 357 Convalescent Home patients are not included in the total treated because they are transfers from the other Hospital departments and have already been counted.

During the past year 28,053 persons applied for admission at the Hospital proper. Of this number 27,721 were admitted and 332 rejected. This number rejected was 1 per cent of all persons applying and the causes of rejection appear in the table of applicants not admitted on page 105.

There were 279 self-rejected or deferred. Of these, 60 were admitted within three days and 80 were admitted later. There were 175 denied admission because they had a state settlement, but of these 16 were admitted within three days and 20 were admitted later. Fifty-two were refused admission because they did not reside within the city limits, but 10 of these were admitted within three days and 12 later. Twenty-eight were referred to other public institutions on account of the nature of their diseases, but of these 4 were admitted later.

HAYMARKET SQUARE RELIEF STATION.

The following are the principal statistics of the Haymarket Square Relief Station for the year 1930:

Number of patients at Haymarket Square Relief Station, December 31, 1929	8
Admitted from January 1, 1930, to December 31, 1930	2,272
Treated during the year	2,280
Discharged during the year	2,156
Died during year	119
Total discharges and deaths	2,275
Number of patients remaining in Haymarket Square Relief Station, December 31, 1930	5
Number of out-patients treated during the year 1930	26,421
Largest number of out-patients treated in any one day	144
Largest number of ward patients treated in any one day	20
Smallest number of ward patients treated in any one day	2
Number of surgical operations during year 1930	20
Number of deaths following surgical operations	0
Number of deaths during the year 1930	119

Number of deaths within twenty-four hours of admission	115
Number of days' treatment given patients in ward	3,256
Average stay of patients in wards	1.4
Daily average of patients in wards	8.9
Number of Relief Station ambulance calls	601
Number of trips to Boston City Hospital for transfers	516
Miscellaneous ambulance trips	4
Total number of ambulance trips	1,121
Number of admitted cases transferred to Main Hospital	572
Number of out-patients transferred to Main Hospital	70
Total number of cases transferred to Main Hospital	642
Number of no case trips made by ambulance	47
Number of miles traveled by ambulance	4,722
Number of alcoholics admitted during year	329
Number of medical patients admitted during year	656
Number of surgical patients admitted during year	1,616
Number of medical out-patients treated during year	1,087
Number of surgical out-patients treated during year	25,334
Number of births during year	2
Number of females admitted during year	412
Number of males admitted during year	1,861
Number of X-rays taken during the year	3,003
Number of patients treated in X-Ray Department	1,289

EAST BOSTON RELIEF STATION.

The following are the principal statistics for the year 1930:

Number of patients remaining in the East Boston Relief Station, January 1, 1930	1
Admitted during year 1930	210
Treated during year	211
Discharged during year	177
Died during year	34
Total discharges and deaths	211
Number of patients remaining in the East Boston Relief Station, January 1, 1931	0
Number of out-patients treated:	
Medical	308
Surgical	12,238
	12,546

Number of visits of out-patients:

Medical	308	
Surgical	32,606	
		32,914
Largest number of out-patients on any one day		196
Number of surgical major operations during year		1
Number of deaths following operation		1
Number of deaths within twenty-four hours of admission		34
Number of days' treatment given patients in wards		579
Largest number of ward patients on any one day		6
Average stay of ward patients in days		2.7
Daily average in wards		1.6
Number of ambulance trips:		
Transferring patients to Main Hospital	132	
Other ambulance trips	194	
		326
Patients carried in ambulances		326
Miles run by ambulances		1,788
Number of cases brought in by police ambulances		323
Number of cases brought in by automobiles, etc.		368
Number of cases receiving ward treatment although not admitted		442
Number of X-rays taken during year		724
Number of patients receiving treatment in X-ray Service		693

CONVALESCENT HOME.

Number of patients remaining in Convalescent Home		
December 31, 1929		10
Admitted during year		347
Treated during year		357
Discharged during year	349	
Died during year	1	
Total number discharged and died		350
Number of patients remaining December 31, 1930		7
Largest number of patients on any one day		28
Smallest number of patients on any one day		6
Daily average number of patients		15.3
Shortest stay of any one patient in days		1
Longest stay of any one patient in days		307
Average length of stay in days		15.6
Number of days' treatment given patients		5,582

MEDICAL LIBRARY.

Number of books in Library, January 1, 1930	4,851
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Number of books added to Library from January 1, 1930, to December 31, 1930:

By donation	29	
By binding	170	
		199

Number of books in Library, December 31, 1930 .		5,050
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There have been received during the year 119 monographs, 362 reprints, 308 Annual Hospital and Health Reports, and 1,080 periodicals.

CLINICAL RECORD ROOM — HOUSE RECORDS.

Number of volumes indexed and prepared for binding,	359
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Cards written:

For clinical catalogue	31,990	
For name catalogue	27,721	
		59,711

TRAINING SCHOOL FOR NURSES.

The Training School for Nurses has now completed its fifty-third year. During the past year the Training School for Nurses has increased in numbers in proportion to the opening of new wards. With Wards F, G and H (which are at present closed) we have added eight medical wards. Five of these still remain to be provided with nurses.

This increase in number of nurses has taxed our housing capacity to the limit of 300 pupils, the number specified as our quota by the Training School Committee. This is the first time we have reached our quota.

Ninety-eight probationers came during the year, 30 of whom left for various reasons. One of these probationers (after three months training) died of streptococcus infection. We regret such an unfortunate event, and feel that everything possible was done for her comfort during her illness.

Counting graduates and pupils, the number of nurses in the Training School has increased by 68. Every position for a graduate Head Nurse is filled at present.

On October first, six Supervising Nurses were appointed to check up more closely on the various nursing procedures in the wards, the conduct and appearance of the pupils, and their attitude toward patients and visitors.

Miss Grace MacIntyre, a graduate of Teachers College, 1914, has been added to the office force as Fourth Assistant Superintendent of Nurses. She has charge of teaching the Supervising Nurses, and has, with them, worked out a splendid plan of better correlation of theory and practice.

This coming year we hope to advance in planning case studies for pupils; we are also planning an educational program for Head Nurses, so that they may receive thorough instruction in ward management.

The painting of the Drown House, together with the renovation of the Nurses' Home at the South Department, will add greatly to the pleasure and comfort of the pupils.

Gratitude is due to Doctor Dowling and to the Board of Trustees for their cooperation and consideration. May the coming year see added improvements in the Training School.

The changes in the nursing staff have been as follows:

Total number of nurses, January 1, 1930	458
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During the year nurses came as follows:

Supervisors employed	2
Graduates transferred to be supervisors	6
Graduate transferred to be instructor	1
Graduate nurses employed first time	8
Graduates re-employed	24
Graduates retained	21
Pupil re-instated	1
Probationers came	98
Male graduates employed	7
Male graduates re-employed	2
Graduate floor nurses employed	25

Affiliated pupils as follows:

Portsmouth Hospital	10
Lawrence General Hospital	30
Bath City Hospital	4
Long Island Hospital	10
Charlesgate Hospital	9
Massachusetts General Hospital	1
St. Margaret's Hospital	17
Cambridge Hospital	44
Cambridge City Hospital	9
Chelsea Memorial Hospital	9

<i>Carried forward</i>	338	458
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<i>Brought forward</i>	338	458
Worcester Memorial Hospital	14	
Quincy City Hospital	22	
New England Hospital	13	
Leonard Morse Hospital	9	
Paine Hospital	4	
Franklin County Hospital	15	
Emerson Hospital	7	
Grafton State Hospital	5	
Worcester State Hospital	11	
Taunton State Hospital	7	
Danvers State Hospital	8	
Medfield State Hospital	5	
Westborough State Hospital	11	
McLean Hospital	4	
Chelsea Soldiers' Home	9	
Total		482

During the year nurses left as follows:

Instructor resigned	1
Graduate nurse transferred to be Instructor, ...	1
Graduate nurses transferred to be Super- visors	6
Graduates resigned	22
Graduates dropped for illness	4
Graduates dropped — temporarily employed, ...	3
Graduate (half time) resigned	1
Pupils graduated	36
Pupils dropped (illness)	5
Probationers left	12
Probationers dropped for various reasons	18
Probationer died	1
Graduate male nurses left	4
Graduate male nurses dropped	3
Graduate floor nurses resigned	21
Graduate floor nurses dropped (illness)	1
Affiliated pupils dropped (illness)	6
Special nurses decreased	7
Westborough State Hospital nurses left	2

Affiliated pupils who have completed course:

Bath City Hospital	4
Chelsea Memorial Hospital	7
Lawrence General Hospital	20
Long Island Hospital	21
Charlesgate Hospital	7
Massachusetts General Hospital	2
Emerson Hospital	7

<i>Carried forward</i>	222	940
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HOSPITAL DEPARTMENT.

139

<i>Brought forward</i>	222	940
Chelsea Soldiers' Home	5	
Cambridge Hospital	41	
Cambridge City Hospital	10	
St. Margaret's Hospital	16	
Portsmouth Hospital	7	
Worcester Memorial Hospital	16	
Quincy City Hospital	15	
New England Hospital	10	
Léonard Morse Hospital	9	
Paine Hospital	3	
Franklin County Hospital	12	
Worcester State Hospital	12	
Taunton State Hospital	3	
Danvers State Hospital	10	
Medfield State Hospital	4	
Grafton State Hospital	5	
Total		400
Number remaining January 1, 1931		<u>540</u>

NURSES CONNECTED WITH THE SCHOOL JANUARY 1, 1931.

Main Hospital:

Superintendent of Nurses	1
Assistants	6
Instructors	4
Supervisors	5
Graduate female nurses	64
Graduate male nurses	10
Floor nurses	30
Special nurses	73
Boston City Hospital pupil nurses	124
Probationers	49

Affiliated pupils as follows:

Worcester State Hospital	10
Danvers State Hospital	9
Cambridge Hospital	9
Leonard Morse Hospital	4
Chelsea Soldiers' Home	3
Long Island Hospital	9
Paine Hospital	3
Bath City Hospital	2
Medfield State Hospital	5
Taunton State Hospital	7
New England Hospital	3
Grafton State Hospital	5

Carried forward 435

<i>Brought forward</i>	435
Cambridge City Hospital	1
Franklin County Public Hospital	3
Chelsea Memorial Hospital	2
Lawrence General Hospital	6
Emerson Hospital	3
Charlesgate Hospital	2
St. Margaret's Hospital	4
Westborough State Hospital	9
McLean Hospital	4

Total	469
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Out-Patient Department:

Supervisor	1
Graduates (female)	12
Graduate (male)	1

Total	14
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South Department:

Matron	1
Assistants	2
Graduates	11
Boston City Hospital pupils	10

Affiliated pupils as follows:

Quincy City Hospital	11
Worcester Memorial Hospital	3
Portsmouth Hospital	2
Cambridge City Hospital	1
Franklin County Hospital	3

Total	44
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Haymarket Square Relief Station:

Matron	1
Graduate	1
Boston City Hospital pupils	3
St. Margaret's Hospital pupils	2

Total	7
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East Boston Relief Station:

Matron	1
Boston City Hospital pupil	1
New England Hospital pupils	2

Total	4
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<i>Carried forward</i>	538
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Brought forward 538

Convalescent Home:

Matron	1
Graduate nurse	1
Total	2

Total entire Hospital, excepting Sanatorium Division	<u>540</u>
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CHANGES IN THE STAFF OF EXECUTIVES AND MEDICAL AND ADMINISTRATIVE ASSISTANTS.

Dr. Herbert G. Dunphy, Resident Surgeon at the Main Hospital, left the first of January and William S. Justice, M. D., succeeded to the position. At the same time, Edward A. Cooney, M. D., Assistant Resident Surgeon, left and Charles A. Knowles, M. D., was transferred from the position of Executive Assistant to that of Assistant Resident Physician. Alfred M. Roscoe, M. D., Executive Assistant, resigned in September and Charles A. Galligan, M. D., succeeded to the position thus left vacant. Lewis R. Dretler, M. D., was appointed Executive Assistant for the vacancy caused by Doctor Galligan's promotion. Samuel Sidell, M. D., was appointed Executive Assistant in November.

George R. Murphy, M. D., Night Executive Assistant, left in September, Daniel J. McSweeney, M. D., succeeding to the position.

In June, Edward D. Churchill, M. D., Associate Surgeon and Director of Surgical Research, resigned, and Stephen J. Maddock, M. D., was appointed Director of Surgical Research. Stanley J. G. Nowak, M. D., Resident Surgeon for the Fifth Surgical Service, resigned in August, to become Associate Surgeon and Assistant in Surgical Research.

The position of Chief of Clinical Laboratories having been created, Dr. Donald C. Hoffman was appointed for the work, beginning in July.

Herbert S. Saver, M. D., Assistant in Medicine for the First Medical Service, having been nominated by Tufts Medical School for teaching work, left in October, and Morton S. Stern, M. D., succeeded to the position.

Abraham L. Pierson, M. D., Assistant to the Third Medical Service, having been nominated by Tufts Medical School for teaching work, resigned in March. Harry Freeman, M. D., succeeded to this work for the

term, March to July, when he left. Israel Kopp, M. D., succeeded to the position in October.

Norman W. Elton, M. D., Resident Physician for the Fifth Medical Service, began in October.

Upon Doctor Nowak's leaving the position of Resident Surgeon for the Fifth Surgical Service, Robert Aldrich, M. D., became Resident Surgeon of that Service.

Edward J. Marshall, M. D., Resident Surgeon of the Sixth Surgical Service, resigned the first of the year, and Harold Ragolsky, M. D., succeeded him. Doctor Ragolsky served through the entire year.

In June, J. William Burke, M. D., became Resident Surgeon for the Out-Patient Department.

The position of Resident Radiologist was created in June and William S. Altman, M. D., was appointed to the position. Upon Doctor Altman's resignation in November, Anthony E. Peters, M. D., House Officer for X-Ray Service, became Resident.

Jacob E. Finesinger, M. D., Resident Physician, Neurological Service, resigned in September, and Merrill Moore, M. D., succeeded him.

Helmer P. Howd, M. D., served as Resident Physician for Neuro-Surgical Service from March 15 to June 1, when Walter Wegner, M. D., became Resident Physician for Neuro-Surgical Service.

Samuel H. Segool, M. D., Resident Physician for Pediatric Service, was transferred to the South Department as Assistant Physician in July, and Morris Ingall, M. D., was appointed Resident Physician for Pediatric Service.

On account of the merging of all routine laboratories under one head, William R. Ohler, M. D., resigned as Assistant in Clinical Pathology, and now gives more time to clinical work with patients as well as having charge of details connected with graduate teaching at the Hospital under the Graduate Department of Harvard Medical School.

In July, the following changes were made in the staff of the Pathological Laboratory: Douglas M. Gay, M. D., Pathologist at the Sanatorium Division; Thomas D. Spies, M. D., First Assistant in Pathology; Williams Cochran, M. D., Resident Assistant in Pathology, and Albert P. D'Errico, M. D., Resident Assistant in Pathology, resigned their positions. The following promotions were made: Thomas T. Walker, M. D., Third Assistant in Pathology, to the position of Pathologist at the

Sanatorium Division; George K. Mallory, M. D., Second Assistant in Pathology, to the position of First Assistant in Pathology; William A. Winn, M. D., Resident Assistant in Pathology, to the position of Second Assistant in Pathology. The following appointments were made: James M. Woodall, M. D., Third Assistant in Pathology; John B. Hazard, M. D., Henry F. Howe, M. D., and Alexander S. Dowling, M. D., as Resident Assistants in Pathology.

In October, Harold E. MacMahon, M. D., was appointed Teaching Assistant in Pathology at the Boston City Hospital for the ensuing school year.

The title of George R. Minot, M. D., was changed to read: "Director of the Thorndike Memorial Laboratory, Director of the Second Medical Service, Director of the Fourth Medical Service."

Dr. Soma Weiss was made Assistant Director of the Thorndike Memorial Laboratory as well as Associate Physician.

Chester S. Keefer, M. D., was appointed Associate Physician in September.

Stacy R. Mettier, M. D., Assistant Physician, resigned in August and Claude E. Forkner, M. D., was appointed Assistant Physician.

The following changes have occurred among the Research Fellows of the Thorndike Laboratory: James M. Bethea, M. D., Resident Physician for Pneumonia Service and Research Fellow, Thorndike Laboratory, served from the early part of June until September first, 1930, when Thomas N. Hunnicutt, Jr., M. D., succeeded to the position. William Raab, M. D., served as Research Fellow from February until July, 1930. Albert G. Young, M. D., ended a service of two years as Research Fellow in July, 1930. Janet Vaughan, M. D., ended a ten month's service as Research Assistant in August, 1930. Eugene C. Glover, M. D., Fourth Medical House Officer also Research Fellow, Thorndike Laboratory, left in July to study cancer in Belgium. Frank Fremont-Smith, M. D., and William G. Lennox, M. D., left their positions of Research Assistant in the Thorndike Laboratory to take up the work in the new Neurological Laboratory, on August 12, 1930.

The following Research Fellows began service during the year: David M. Davis, M. D., in April, 1930; Greene S. FitzHugh, M. D., in June, 1930; Chi Shih

Yang, M. D., James F. Rinehart, M. D., and Richard P. Stetson, M. D., in September, 1930.

During the year, the following Assistant Resident Physicians in the Thorndike Memorial Laboratory have resigned their positions: George E. Lewis, M. D., in July, and Richard T. Beebe, M. D., and Arthur A. Marlow, M. D., in September; and the following Assistant Resident Physicians have been appointed: Thomas McNair Scott, M. D., in August, and Clark W. Heath, M. D., in September.

Greene S. FitzHugh, M. D., Assistant Resident, Thorndike Laboratory and Resident for Medical Afternoon Out-Patient Clinic, left this work in June to become Research Fellow, and George P. Robb, M. D., was appointed to the position in September; James M. Bethea, M. D., fulfilling the duties of this position during the interim of time from June to September.

In September, when Clark W. Heath, M. D., Resident Physician for Tropical Diseases and Assistant Resident Physician, Thorndike Laboratory, was appointed Assistant Resident Physician, Thorndike Laboratory, Maurice B. Strauss, M. D., succeeded to this position of Resident Physician for Tropical Diseases and Assistant Resident Physician.

The position of Resident Physician for Pneumonia Service and Research Fellow, Thorndike Laboratory, has been filled by James M. Bethea, M. D., from March 1 to September 1, he being succeeded by Thomas N. Hunnicutt, Jr., M. D.

In July, John B. Lynch, M. D., and Harold D. Pyle, M. D., Assistant Physicians at the South Department, left and Samuel H. Segool, M. D., was appointed Assistant Physician. In October, Pembroke N. MacDermott, M. D., became Assistant Physician at the South Department.

I desire to express to the Trustees my gratitude for the evidences of trust and support which they are constantly extending to me.

For the loyal and faithful assistance of the Hospital Officers and Heads of Departments, I am truly grateful.

JOHN J. DOWLING, M. D.,
Superintendent and Medical Director.

BEQUESTS.

FUNDS WITH INTEREST ONLY AVAILABLE.

All Departments Except Sanatorium Division.

<i>Ball Fund.</i> —For the benefit of patients leaving the hospital poor and destitute of proper clothing	\$1,000 00
<i>Albert N. Blodgett Fund.</i> —To be used for employment of special nurses:	
In savings bank	7,262 36
<i>William T. Bolton Fund.</i> —For the benefit of The Boston City Hospital	500 00
<i>Herbert L. Burrell Ether Prize Fund.</i> —For a money prize to be given to the house officer who administers ether or other anesthetic in the most skilful and humane manner	1,000 00
<i>Martha Howard Thurston Carter Fund.</i> —For books for the benefit of the Training School for Nurses	2,000 00
<i>Cheever Fund.</i> —To purchase and present to each house surgeon when his service expires a pocket case of surgical instruments, as a gift from Dr. David W. Cheever	3,500 00
<i>Patrick A. Collins Memorial Library Fund.</i> —For the purchase of new books for the use of hospital patients and for the replacing of those that have become damaged, lost or destroyed	530 00
<i>Silas Durkee Fund.</i> —For the benefit of The Boston City Hospital	15,050 00
<i>Charles F. Folsom Fund.</i> —“Income to be paid to Martha W. Folsom during her life, and, after her death, to be used toward maintenance of a free bed in memory of the late Dr. Charles Follen Folsom”	5,000 00
<i>Daniel S. Ford Fund.</i> —For the benefit of The Boston City Hospital	6,000 00
<i>Ann Maria Fosdick Fund.</i> —To be used for employment of special nurses:	
In savings bank	\$13,791 98
Stocks received from executor in hands of City Treasurer	672 00
	14,463 98
<i>Carried forward</i>	\$56,306 34

<i>Brought forward</i>	\$56,306 34	
<i>Goodnow Fund.</i> — For the support of free beds	26,000 00	
<i>Goodnow Library Fund.</i> — For replenishing the library of the hospital with books and pamphlets suitable for the reading of the patients during convalescence		1,000 00
<i>Charles P. Hemenway Fund.</i> — For a free bed, to be known as the Charles P. Hemenway Memorial Bed		5,000 00
<i>Dr. George S. Hyde Fund.</i> — For the support of a free bed		5,000 00
<i>Marcus Morton Keyes Fund.</i> — For the benefit of The Boston City Hospital	\$1,050 00	
For the benefit of the Relief Stations	1,050 00	
Interest	1 10	
		2,101 10
<i>Nichols Fund.</i> — For the establishment and endowment of a City Hospital		2,000 00
<i>Norcross Fund.</i> — For the benefit of patients leaving the hospital poor and destitute of proper clothing		2,000 00
<i>Nurses' Fund.</i> — To be used under direction of superintendent and staff for employment of special nurses:		
Invested	\$17,930 00	
Cash in hands of City Treasurer, ...	295 34	
		18,225 34
<i>Perkins Fund.</i> — For books for the Medical Library, and for the purchase of artificial limbs and surgical appliances for the use and relief of patients leaving the hospital		7,500 00
<i>Shaw Fund.</i> — For the purchase of flowers and fruit for the use and comfort of the patients in the hospital		2,000 00
<i>Hettie Lang Shuman Memorial Library Fund.</i> — To be expended in perpetuity by the Trustees for new books for the use of hospital patients and for replacing volumes that have become damaged, lost or destroyed		2,000 00
<i>Timothy Smith Fund.</i> — For the purpose of maintaining and conducting The Boston City Hospital; by vote of Trustees to be expended for special nurses		5,000 00
<i>Carried forward</i>	\$134,132 78	

<i>Brought forward</i>	\$134,132 78
<i>Joseph Thompson Fund.</i> — To be used for employment of special nurses:	
Invested	\$3,775 00
Cash in hands of City Treasurer, ...	1 41
	3,776 41
<i>Catherine Watson Fund.</i> — \$6,000 for a free bed, to be known as the William F. Watson Free Bed. (Interest to be allowed to accumulate until fund reaches \$25,000.)	8,112 13
<i>Mehitable C. C. Wilson Fund.</i> — For the benefit of Medical Library	500 00
Total	<u>\$146,521 32</u>

FUNDS WITH BOTH PRINCIPAL AND INTEREST AVAILABLE.

<i>Julia M. Robey Fund.</i> — To be used for improvement at Convalescent Home	\$3,056 26
<i>Shuman Memorial Building for Convalescent Men.</i> — To erect on City land a building to be known as the A. Shuman Building for Convalescent Men	104,210 34
Total	<u>\$107,266 60</u>

HOUSE RULES.

WITH RULES FOR ADMISSION, GOVERNMENT AND DIS-
CHARGE OF PATIENTS; ALSO RULES FOR VISITORS.

HOUSE RULES.

The doors and gates of the Hospital will be closed at 10 o'clock in the evening, at which time all inmates, excepting Head Nurses (who are permitted to remain out until 12 o'clock midnight), shall be quiet, and all not on duty shall be in their rooms, unless otherwise specifically permitted.

All officers, nurses and employees of the Hospital when going and coming to and from the Hospital, shall enter and go out by the Entrance Office, and by no other entrance. Such officers and employees as are required shall use the time register and method of booking that the Hospital rules require.

A record shall be kept of all persons entering the Hospital between the hours of 10 o'clock in the evening and 7.30 o'clock in the morning.

No employees shall be absent from the Hospital except when permitted by special rules or by the Superintendent.

When requesting leave of absence for health reasons, an employee must present a recommendation from some member of the Hospital Visiting Staff, certifying to the necessity for such absence.

No discharged employee shall be reinstated without the consent of the Board of Trustees.

No officer, nurse, male nurse or other employee shall, directly or indirectly, receive money or other gifts from or in behalf of patients, except with the approval of the Superintendent.

The use of tobacco, wine and intoxicating liquors is prohibited within the Hospital, unless prescribed by the Visiting Physicians or Surgeons.

All profane and improper language, loud talking and incivility are prohibited.

All employees shall observe such further rules and directions for their conduct as may from time to time be established.

ADMISSION OF PATIENTS.

No person having acute venereal disease or alcoholism shall be admitted, unless his condition is urgent, except as a paying patient.

No person shall be admitted to the Hospital whose case is judged to be incurable, unless there be urgent symptoms which are deemed capable of being relieved.

Persons with state settlements, unless they stand in need of immediate relief, are to be referred to the State Hospitals.

Patients settled in other cities and towns in Massachusetts are to be referred to their own city or town for treatment, Boston cases being given the preference.

Unsettled cases, if resident in Boston, may be admitted as paying patients.

Patients may be admitted to the privileges of the Hospital at such rates of board as the Trustees may from time to time by vote determine, payment for such cases being secured by the friends of the patient or by the authorities of the city or town in which the patient is legally settled.

Whenever, in the opinion of the Trustees, the circumstances of the patient will warrant it, the whole or a part of the board shall be paid.

If separate apartments or articles not usually furnished at the Hospital are furnished, such payment shall be made therefor as the Trustees shall deem reasonable.

Persons nonresident and not settled in Boston are to be admitted only as private patients, *i. e.*, paying patients in private rooms.

All accident or emergency cases shall be received at all hours, night or day, irrespective of settlement.

In all cases where any question arises as to the treatment of newly admitted or other patients, it shall be the duty of the House Officer to consult with the Executive on duty in regard to such treatment until the arrival of the Visiting Physician or Surgeon.

If, in the judgment of the Admitting Physician, the condition of a newly admitted patient is sufficiently urgent to demand the attention of the visiting staff, he

shall so notify the House Officer and shall direct him to call his Visiting Physician or Surgeon.

In case alcoholic drink is administered to a patient before or after placing him in the ambulance, or by any other than Hospital employees before the arrival of the ambulance, the same is to be promptly reported to the Admitting Physician, and a record of the fact made in the clinical record book. This rule covers cases brought by conveyances other than Hospital ambulances.

GOVERNMENT OF PATIENTS.

Patients shall implicitly observe all the rules of the Hospital.

Patients shall be in their proper places in the wards during the visits of the Visiting Physicians and Surgeons, and always before 7.30 o'clock in the evening, unless specially excused by the Superintendent.

Such free patients as are able shall assist in nursing and perform such other services as may be reasonably required of them.

No patient shall leave the Hospital grounds without a pass from the Superintendent, nor leave his ward without the consent of the Nurse in charge.

No patient shall purchase, or cause to be purchased for him, any article of food whatsoever, nor any other article, without the consent of the Superintendent.

Profane and obscene language, loud talking and incivility are prohibited.

Patients may be visited by clergymen of their own selection, and any wish for the performance of a particular religious rite shall be granted when practicable.

Complaints, for whatever cause, may be made to the Superintendent, and whenever requested shall be by him reported to the Trustees.

DISCHARGE OF PATIENTS.

Patients shall be discharged by the Superintendent.

Upon the request of patients discharged on the recommendation of the Visiting Physicians or Surgeons, they shall be provided with a certificate stating their condition at the time of discharge, whether cured, relieved or not relieved, which certificate shall be signed by the Superintendent.

Whenever a patient is removed from the Hospital without the approval of the Superintendent, a written

statement to that effect shall be required from any person assuming the responsibility of the removal.

VISITORS.

No person shall visit any part of the premises except on business, or at such times as may be fixed for the reception of visitors, without the permission of the Superintendent or of some one of the Trustees.

Daily, from 2 to 3 o'clock in the afternoon, friends may be permitted to visit patients, though no patient shall receive more than two visitors at that hour; and from 6 to 6.30 o'clock on each week day friends may be permitted to visit patients, though no patient shall receive more than one visitor at that hour. Children under sixteen years of age are prohibited from visiting the Children's Wards. In all cases, however, the Trustees and the Superintendent may exercise discretionary powers as to excluding or admitting visitors.

When visitors are admitted outside the regular visiting hours they shall not be permitted to remain more than half an hour, unless a special permission to remain longer is granted.

All visitors shall leave the Hospital when the bell rings at the expiration of the visiting hour.

No visitor shall take any meal in the Hospital, or pass the night therein, without permission of the Superintendent or one of the Trustees.

No visitor shall be allowed to give any article of food or drink to a patient except by permission of the Nurse; and any article sent to a patient shall be left at the Entrance Office.

SPECIAL RULES FOR THE GOVERNMENT OF THE SOUTH DEPARTMENT.

The department of The Boston City Hospital located on the westerly side of Massachusetts avenue shall be designated as the South Department of The Boston City Hospital. It shall receive patients who require treatment for diphtheria, scarlet fever, measles, whooping cough, and other contagious diseases as may be determined from time to time by the Trustees.

The Superintendent and Medical Director of the Hospital shall, under the direction of the Trustees, have the general control and management of this department in the same manner as of other departments of the Hospital.

The rules of the Hospital shall, so far as applicable, and except as hereinafter provided, apply to the various officers and employees and to the conduct and management of this department.

SPECIAL RULES FOR THE GOVERNMENT OF THE HAYMARKET SQUARE AND THE EAST BOSTON RELIEF STATIONS.

The Boston City Hospital Relief Stations are established not as hospitals, but as departments of The Boston City Hospital for temporary relief, and the rules and methods prevailing now in the Hospital shall, so far as applicable, and not inconsistent with special rules, apply to the Relief Stations.

The Stations shall afford temporary relief in all classes of accident and disease. They shall be open at all hours for patients requiring treatment or attention. Patients requiring ward treatment whether received at the Stations or taken up in ambulances, shall, so far as is consistent with their welfare, be forthwith transferred or carried to the Hospital for extended treatment, but ward accommodations shall be afforded patients whose condition is such that they cannot properly be transferred. Patients may, however, if it is deemed desirable, be transferred by the ambulances to other hospitals or to their homes. First treatment may be afforded at the Stations although the applicants are not such as require ward treatment.

The Superintendent of the Hospital shall have the general administration, management and control of the Stations, the same as of other departments of the Hospital.

The Superintendent shall, once a year, nominate for confirmation by the Trustees a Resident Surgeon and one or more Assistant Resident Surgeons for each Station; and shall appoint and employ or detail for service in each department, from time to time, as may be necessary, subject to the approval of the Trustees or of the proper committees, a Matron, a Supervisor, Nurses, Male Nurses and such other minor employees as may be required for the proper conduct of the Station, who shall be subject to his supervision.

The various officers and employees of the Stations shall perform such duties other than those specified as may be required by the Trustees or the Superintendent, according to the nature of their respective duties. The Resident Surgeons, the Matrons, Supervisors, and such other officers as may be so required, shall reside at the Stations.

PATIENTS.

Alcoholic and insane patients shall not be received unless there is surgical or medical complication making hospital treatment absolutely necessary.

No patient, after being admitted to the wards, shall leave the Station until his discharge without a pass from the proper officer, nor shall he visit other parts of the Station without permission.

Ward patients shall be discharged by the Superintendent or the Resident Surgeon.

AMBULANCE SERVICE AT THE HAYMARKET SQUARE RELIEF STATION.

The ambulance service of the Station shall be under the direct control of the Resident Surgeon, and shall cooperate with that of the Hospital with which it shall form one general system. Ambulances shall, in response to calls, be dispatched from the Station or the Hospital as the exigency may require. The utmost dispatch shall be exercised in the ambulance service, so far as is consistent with a regard for the welfare of the patient and the interests of the public.

Ambulances shall in general be sent from the Station or the Hospital, at least upon a general alarm, to all fires occurring in the City Proper and in such further districts as may be determined upon.

An ambulance shall be held during the hours of the day in complete readiness to make immediate response to calls, and shall be kept in condition to make prompt response to calls at any time of the night.

A House Officer shall accompany the ambulance, shall direct its course and shall have direction of the care and treatment of the patient until received at his destination.

The foreman of the ambulance service at the Hospital Station shall visit and inspect the Ambulance Depart-

ment of the Station from time to time, but the immediate carrying out of directions shall be under the Assistant Foreman at the Station.

AMBULANCE SERVICE AT THE EAST BOSTON RELIEF
STATION.

The rules and methods prevailing in the Haymarket Square Relief Station ambulance service shall, so far as applicable, be effective in the East Boston Relief Station ambulance service.

SPECIAL RULES FOR THE GOVERNMENT OF THE CONVALESCENT HOME.

The department of The Boston City Hospital located on Dorchester avenue, in Dorchester, shall be known as the Convalescent Home, and shall receive such patients recovering from acute diseases as shall be transferred to it from the Main Hospital for treatment during convalescence.

The Superintendent of the Hospital shall, under the direction of the Trustees, have the control and management of the Convalescent Home in the same manner as of other departments of the Hospital.

The Superintendent shall appoint, subject to the approval of the Trustees, a Matron, and shall employ, under their direction, such further assistants as may be necessary for the proper conduct and service of the home.

The Matron, under the direction of the Superintendent, shall have the immediate charge of the home and the control of all nurses and other employees and patients. She shall reside at the Home.

VISITORS.

Friends may be permitted to visit patients daily between three and four o'clock in the afternoon. In all cases the Trustees, Superintendent and Matron may exercise discretionary powers as to excluding or admitting visitors.

Visitors shall leave the Home and grounds at the expiration of the visiting hour, and shall visit no part of the Home or grounds other than the reception room, except by permission from the proper authority.

No person shall give any article of food or drink to a patient unless by permission of the Matron.

TRUSTEES.

JOSEPH P. MANNING, <i>President</i>	Term expires in 1931.
HENRY S. ROWEN, M. D., <i>Secretary</i>	Term expires in 1932.
GEORGE G. SEARS, M. D.	Term expires in 1933.
CARL DREYFUS	Term expires in 1935.
KARL ADAMS	Term expires in 1934.

MEDICAL AND SURGICAL STAFF.

Consulting Physicians and Surgeons.

Abner Post, M. D.	George G. Sears, M. D.
H. W. Cushing, M. D.	John Bapst Blake, M. D.
Francis S. Watson, M. D.	Paul Thorndike, M. D.
George H. Monks, M. D.	John L. Ames, M. D.
Elliott P. Joslin, M. D.	Fred B. Lund, M. D.
Henry Jackson, M. D.	Joshua B. Hubbard, M. D.

Consulting Pathologists.

W. T. Councilman, M. D.	F. B. Mallory, M. D.
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Consultant in Tropical Diseases.

Richard P. Strong, M. D.

Consultant in Ophthalmology

Allen Greenwood, M. D.

Consulting Aural Surgeon.

Rockwell A. Coffin, M. D.

Consulting Physicians in Neurology.

Arthur W. Fairbanks, M. D.	John J. Thomas, M. D.
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Curator of the Hospital Museum.

Dwight O'Hara, M. D.

Senior Physician.

Francis H. Williams, M. D.

Visiting Physicians.

William H. Robey, M. D.*	George R. Minot, M. D.†
Ralph C. Larrabee, M. D.‡	Francis W. Palfrey, M. D.
Franklin W. White, M. D.	Cadis Phipps, M. D.§
Edwin A. Locke, M. D.||	Harold W. Dana, M. D.

Assistant Visiting Physicians.

Thomas J. O'Brien, M. D.	Edmund F. Walsh, M. D.
William R. Ohler, M. D.	Burton E. Hamilton, M. D.

Junior Visiting Physicians.

Joseph M. Lynch, M. D.	George P. Reynolds, M. D.
Joseph E. Hallisey, M. D.	James M. Faulkner, M. D.
John A. Foley, M. D.	William B. Stevens, M. D.
George C. Shattuck, M. D.	Nathan Sidel, M. D.
Louis J. Ullian, M. D.	William T. O'Halloran, M. D.
Dwight O'Hara, M. D.	Soma Weiss, M. D.
Henry Jackson, Jr., M. D.	James C. Healy, M. D.
Frank S. Cruickshank, M. D.	Greene FitzHugh, M. D.
Daniel J. Hogan, M. D.	Norman A. Welch, M. D.
Louis F. Curran, M. D.	Richard P. Stetson, M. D.
Maurice Fremont-Smith, M. D.	Bernard I. Goldberg, M. D.
Percy B. Davidson, M. D.	Laurence B. Ellis, M. D.
Henry Baker, M. D.	Theodore L. Badger, M. D.

Senior Surgeon.

George W. Gay, M. D.

Surgeons-in-Chief.

Frederic J. Cotton, M. D.	Halsey B. Loder, M. D.
David D. Scannell, M. D.	Irving J. Walker, M. D.
Horace Binney, M. D.	Arthur R. Kimpton, M. D.

Visiting Surgeons.

Robert C. Cochrane, M. D.	Francis F. Henderson, M. D.
Otto J. Hermann, M. D.	James J. Hepburn, M. D.
Somers Fraser, M. D.	Joseph H. Shortell, M. D.

Assistant Visiting Surgeons.

William R. Morrison, M. D.	Thomas W. Wickham, M. D.
Edward Harding, M. D.	George W. Papen, M. D.
Thomas K. Richards, M. D.	Charles C. Lund, M. D.

* Physician-in-Chief, Second Medical Service.

† Director of Thorndike Memorial Laboratory, Director of Second Medical Service, Director of Fourth Medical Service.

‡ Physician-in-Chief, First Medical Service.

|| Physician-in-Chief, Fourth Medical Service.

§ Physician-in-Chief, Third Medical Service.

Junior Visiting Surgeons.

Joseph H. Burnett, M. D.	|	William F. Cotting, M. D.
E. Everett O'Neil, M. D.	|	John J. Lucy, M. D.
Howard A. Bouvé, M. D.		

Assistants to Visiting Surgeons.

John A. Seth, M. D.	|	Allan L. Davis, M. D.
Richard I. Smith, M. D.	|	Daniel J. Duggan, M. D.
Newton C. Browder, M. D.	|	Winchester W. Everett, M. D.
William A. White, Jr., M. D.	|	Russell F. Sullivan, M. D.

Visiting Surgeon for Urology.

Herbert H. Howard, M. D.

Assistant Visiting Surgeon for Urology.

Augustus Riley, M. D.

Visiting Surgeon for Neuro-Surgery.

Donald Munro, M. D.

Associate in Neuro-Surgery.

Tracy J. Putnam, M. D.

Surgeons-in-Chief for Gynecology and Obstetrics.

Nathaniel R. Mason, M. D.		Robert M. Green, M. D.
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Visiting Surgeons for Gynecology and Obstetrics.

John T. Williams, M. D.		Frederick L. Good, M. D.
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Assistant Visiting Surgeons for Gynecology and Obstetrics.

Joseph P. Cohen, M. D.		Frederick J. Lynch, M. D.
Harold V. Hyde, M. D.	|	Reginald D. Margeson, M. D.

Junior Visiting Surgeons for Gynecology and Obstetrics.

Pierce J. Dunphy, M. D.	|	Carmi R. Alden, M. D.
Abraham S. Troupin, M. D.	|	G. Elliott May, M. D.

Assistants to Visiting Surgeons for Gynecology and Obstetrics.

William J. McDonald, M. D.	|	Emilio D'Errico, M. D.
Benedict F. Boland, M. D.	|	Kenneth G. Farnsworth, M. D.

Ophthalmic Surgeon-in-Chief.

Jeremiah J. Corbett, M. D.

Assistant Visiting Ophthalmic Surgeons.

Harry Schwartzman, M. D.	|	Robert W. French, M. D.
Thomas J. Hagan, M. D.	|	Joseph H. McLaughlin, M. D.
Paul G. Haire, M. D.	|	James M. Ward, M. D.

Surgeon-in-Chief for Diseases of Ear and Throat.

Harry P. Cahill, M. D.

Visiting Surgeon for Diseases of Ear and Throat.

Louis M. Freedman, M. D.

Visiting Surgeon for Oral and Plastic Surgery.

Varaztad H. Kazanjian, M. D.

Assistant Visiting Surgeon for Diseases of Ear and Throat.

Edward J. Monahan, M. D.

Junior Visiting Surgeons for Diseases of Ear and Throat.

Philip E. A. Sheridan, M. D.	Francis G. Minitier, M. D.
William F. Regan, M. D.	Fred Heimlich, M. D.
Philip R. Dwyer, M. D.	Charles W. DeWolf, M. D.
Chester R. Mills, M. D.	Philip G. Berman, M. D.
Vincent J. Kelley, M. D.	

Oral Surgeon-in-Chief.

Stephen P. Mallett, D. M. D.

Visiting Oral Surgeons.

William H. Canavan, D. M. D. | Thomas Hennessey, D. M. D.

Assistant Visiting Oral Surgeons.

Douglass M. Baker, D. M. D.	Austin T. Williams, D. M. D.
George F. Winchester, D. M. D.	W. Harry Gullifer, D. M. D.

Visiting Anesthetists.

Frank L. Richardson, M. D. | Nathaniel N. Morse, M. D.

Assistant Visiting Anesthetists.

William A. Noonan, M. D. | Sidney C. Wiggin, M. D.

Visiting Neurologists.

Stanley Cobb, M. D. | Abraham Myerson, M. D.

Assistant Neurologists.

Miner H. A. Evans, M. D. | Frank Fremont-Smith, M. D.

Junior Visiting Neurologists.

Maxwell E. MacDonald, M. D.	Tracy J. Putnam, M. D.
William G. Lennox, M. D.	William Herman, M. D.

Physician-in-Chief for Physical Therapeutics.

Joseph Resnik, M. D.

Visiting Physicians for Physical Therapeutics.

William D. McFee, M. D. | Girdie W. Dickinson, M. D.
 Arthur J. Cole, M. D.

Physician-in-Chief for Diseases of the Skin.

William P. Boardman, M. D.

Visiting Physician for Diseases of the Skin.

Walter T. Garfield, M. D.

Assistant Visiting Physicians for Diseases of the Skin.

John G. Downing, M. D. | Bernard Appel, M. D.

Junior Visiting Physician for Diseases of the Skin.

Francis P. McCarthy, M. D.

Physician-in-Chief for Contagious Diseases.

Edwin H. Place, M. D.

Roentgenologist-in-Chief.

P. F. Butler, M. D.

Visiting Roentgenologists.

Max Ritvo, M. D. | Frederick W. O'Brien, M. D.
 Albert M. Moloney, M. D.

Physician-in-Chief for Immunology.

George P. Sanborn, M. D.

Assistant Visiting Physicians for Immunology.

Edmund F. Walsh, M. D. | Samuel M. Pearl, M. D.

Pediatrician-in-Chief.

Martin J. English, M. D.

Visiting Pediatricians.

Augustine W. McGarry, M. D. | Eli Friedman, M. D.

Assistant Visiting Pediatrician.

John J. Dunphy, M. D.

Junior Visiting Pediatricians.

George Kahn, M. D. | James W. Redmond, M. D.
 John P. Treanor, Jr., M. D. | Abraham N. Caplan, M. D.

Physicians to Convalescent Home.

John P. Treanor, M. D. | Joseph J. O'Brien, M. D.

ASSISTANTS TO THE VISITING STAFF.

(December 31, 1930.)

Terms of one year.

Assistants in Medicine.

I. R. Jankelson, M. D.	. . .	Beginning January 1, 1930.
William B. Castle, M. D.	. . .	Beginning January 1, 1930.
Samuel Morein, M. D.	. . .	Beginning January 1, 1930.
Stacey R. Mettier, M. D.	. . .	Beginning January 1, 1930.
Clark Heath, M. D.	. . .	Beginning January 1, 1930.
Wheelan D. Sutliff, M. D.	. . .	Beginning January 1, 1930.
Arthur A. Marlow, M. D.	. . .	Beginning January 1, 1930.
Richard T. Beebe, M. D.	. . .	Beginning January 1, 1930.
Albert G. Young, M. D.	. . .	Beginning January 1, 1930.
Maxwell Finland, M. D.	. . .	Beginning January 1, 1930.
George E. Lewis, M. D.	. . .	Beginning January 1, 1930.
Morton S. Stern, M. D.	. . .	Beginning April 18, 1930.

Assistants in Surgery.

Herbert G. Dunphy, M. D.	. . .	Beginning February 1, 1930.
J. William Burke, M. D.	. . .	Beginning March 1, 1930.
Irving W. Parkhurst, M. D.	. . .	Beginning March 1, 1930.
Thomas H. Peterson, M. D.	. . .	Beginning April 1, 1930.
Henry R. Gilbert, M. D.	. . .	Beginning May 1, 1930.
John E. Hopkins, M. D.	. . .	Beginning November 1, 1930.

Temporary Visiting Anesthetist.

Frank W. Marvin, M. D.	. . .	Beginning November 1, 1930.
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Assistant in Neurology.

H. Houston Merritt, M. D.	. . .	Beginning January 1, 1930.
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Assistant in Gynecology and Obstetrics.

David Rose, M. D.		Beginning January 1, 1930.
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HOUSE OFFICERS.

The following named house officers have completed service during the year 1930:

Hugh Carroll Donahue, M. D., Medical Service,	18½ months.
Maurice Benjamin Strauss, M. D., Medical Service	20 months.
Israel Steinberg, M. D., Medical Service	20 months.
James McRae Bethea, M. D., Medical Service	20 months.
Paul Dolin Rosahn, M. D., Medical Service	19½ months.
Harry Hyman, M. D., Medical Service	20 months.
Max Irving Vinnecour, M. D., Medical Service, ...	20 months.
Eugene Chellis Glover, M. D., Medical Service, ...	18 months.
Arch Avary, Jr., M. D., Medical Service	19 months.
Israel Kopp, M. D., Medical Service	19 months.
Gottlieb Langner, Jr., M. D., Medical Service	18 months.
Samuel Shattuck Ellis, M. D., Medical Service, ...	19 months.
David Littman, M. D., Medical Service	17½ months.
Morton Arnold, M. D., Medical Service	18 months.
Edward Burke Kelly, M. D., Surgical Service	8½ months.
Helmer Powers Howd, M. D., Surgical Service, ...	20½ months.
James Lawrence Golden, M. D., Surgical Service	20½ months.
Sanford Hiram Moses, M. D., Surgical Service, ...	20½ months.
Abraham Ezra Hiebert, M. D., Surgical Service, ...	20½ months.
Theodore Crie Bramhall, M. D., Surgical Service	20½ months.
Victor Baer, M. D., Surgical Service	8 months.
Philip Oscar Pelland, M. D., Surgical Service	8 months.
Edward Allen Edwards, M. D., Surgical Service, ...	20½ months.
Chauncy Valentine Perry, M. D., Surgical Service	20½ months.
Lewis Robert Dretler, M. D., Surgical Service	19½ months.
Carl January DePrizio, M. D., Surgical Service, ...	20½ months.
Leo Raymond Desmond, M. D., Surgical Service	20 months.
Nicholas Anthony Mastroianni, M. D., Surgical Service	20½ months.
Walter Morgan O'Brien, M. D., Surgical Service, ...	20½ months.
William Francis Finnegan, M. D., Surgical Service	20½ months.
Louis Edmund Hathaway, Jr., M. D., Surgical Service	20 months.
Christopher James Duncan, M. D., Gynecological and Obstetrical Service	17½ months.

Externes.

Angus C. Meagher, M. D.	Willis M. Gowen, M. D.
Paul B. Kelly, M. D.	Snowden C. Hall, Jr., M. D.
John G. Arent, M. D.	

Junior Internes.

Harris H. Hamlin, M. D.	Irving Showstack, M. D.
Joseph Labowitz, M. D.	William P. Reed, M. D.
Juan E. Bobadilla, M. D.	

SURGICAL SERVICES.

House Surgeons.

Leslie C. Dodson, M. D.	Alexander P. Aitken, M. D.
John P. Reardon, M. D.	John S. Rhodes, M. D.
Charles A. Robinson, M. D.	Joseph E. Flynn, M. D.

Senior Internes.

Robert H. Goodwin, M. D.	Lawrence J. McCarthy, M. D.
Jackson Flanders, M. D.	Weston T. Buddington, M. D.
Dorset L. Spurgeon, M. D.	Paul W. Hugenberger, M. D.

Accident Floor House Officers.

George W. Rafferty, M. D.	Paul E. Tivnan, M. D.
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Externes.

Francis J. Golden, M. D.	Olin C. Hendrix, M. D.
John B. Vernaglia, M. D.	Paul H. Wilson, M. D.
Horace C. Sweet, M. D.	Robert Ulin, M. D.

Junior Internes.

Henry G. Clarke, M. D.	Franklin C. Hugenberger, M. D.
William W. Babson, M. D.	Gale E. Wilson, M. D.
Thomas J. Anglen, M. D.	

GYNECOLOGICAL AND OBSTETRICAL SERVICES.

House Surgeon.

Jacob F. Deich, M. D.

Senior Interne, Obstetrical Service.

Edwin G. Hebb, M. D.

Senior Interne, Gynecological Service.

Raymond A. Johnson, M. D.

Externe, Gynecological and Obstetrical Service.

Richard J. Donovan, M. D.

Junior Interne, Obstetrical Service.

Leroy C. Gross, M. D.

Etherizer, Gynecological and Obstetrical Service.

James F. Conway, M. D.

OPHTHALMIC AND AURAL SERVICES.

Resident Surgeon.

Samuel J. Hartmere, M. D.

House Surgeon.

Joseph J. Nerbonne, M. D.

Senior Interne.

Aaron Kaufman, M. D.

Externe.

Harry V. Byrne, M. D.

Junior Interne.

Arthur W. Clancy, M. D.

NEUROLOGICAL AND NEURO-SURGICAL SERVICES.

House Physician, Neurological Service.

Philip Solomon, M. D.

House Surgeon, Neuro-Surgical Service.

Madelaine R. Brown, M. D.

Senior House Officer, Neurological Service.

John B. McKenna, M. D.

Senior House Officer, Neuro-Surgical Service.

Antoine Schneider, M. D.

Junior House Officer, Neurological Service.

George R. Lavine, M. D.

PEDIATRIC SERVICE.

Senior Out-Patient House Officer.

Joseph Gitter, M. D.

House Physician.

Carl A. DeSimone, M. D.

Senior Interne.

Herbert Sherwin, M. D.

Externe.

Jacob I. Abrams, M. D.

Junior Interne.

Leonard W. Benedetto.

X-RAY SERVICE.

Harold I. Loverud, M. D. Benjamin Li, M. D.

PNEUMONIA SERVICE.

Student Assistant.

Charles W. Steele.

HOUSE OFFICERS AT THE SOUTH DEPARTMENT.

Myer Asekoff, M. D.	Leo D. Jacobs, M. D.
Harold E. Pressey, M. D.	Robert P. Goodkind, M. D.

HOUSE OFFICERS AT THE HAYMARKET SQUARE RELIEF STATION.

Williams Cochran, M. D.	Robert J. Joplin, M. D.
Duane M. Carr, M. D.	

HOSPITAL OFFICERS.

John J. Dowling, M. D., *Superintendent and Medical Director.*
Charles H. Pelton, M. D., *Assistant Superintendent.*
James W. Manary, M. D., *Executive Director of the Out-Patient Department.*
Francis S. Brodrick, M. D., *Executive Assistant.*
M. Winthrop O'Connell, M. D., *Executive Assistant.*
Charles A. Galligan, M. D., *Executive Assistant.*
Samuel Sidell, M. D., *Executive Assistant.*
Daniel J. McSweeney, M. D., *Night Executive Assistant.*
Charles A. Knowles, M. D., *Resident Surgeon.*
Lewis R. Dretler, M. D., *Assistant Resident Surgeon.*
Frank B. Mallory, M. D., *Pathologist.*
George R. Minot, M. D., *Director of the Thorndike Laboratory.*
P. F. Butler, M. D., *Roentgenologist-in-Chief.*
Stephen J. Maddock, M. D., *Director of Surgical Research.*
Donald C. Hoffman, M. D., *Director of Clinical Laboratories.*
A. T. Kirk, Ph.G., *Chief Pharmacist.*
Miss Emma M. Nichols, *Counsellor to the Training School.*
Miss Della M. Currier, *Superintendent of Nurses and Matron.*
Miss Gertrude L. Farmer, *Director of Social Work.*
Miss Joanna E. Sweeney, *Registrar.*
Miss Ruth T. Church, *Out-Patient Registrar.*
Miss Margaret McGovern, *Dietitian.*

SOUTH DEPARTMENT.

John J. Dowling, M. D., *Medical Director.*
Edwin H. Place, M. D., *Physician-in-Chief.*
Miss Edith M. Grant, *Assistant Superintendent of Nurses and Matron.*

HAYMARKET SQUARE RELIEF STATION.

Bernard F. Devine, M. D., *Resident Surgeon.*
George Robbins, M. D., *Assistant Resident Surgeon.*
Miss Agatha P. McKenna, *Matron.*

EAST BOSTON RELIEF STATION.

Arthur G. Holland, M. D., *Resident Surgeon.*
James V. Sacchetti, M. D., *Assistant Resident Surgeon.*

CONVALESCENT HOME.

Miss E. C. Fairbanks, *Matron.*

MEDICAL AND ADMINISTRATIVE ASSISTANTS.

- Joseph Resnik, M. D., *Physician-in-Chief for Physical Therapeutics.*
- Edmund F. Walsh, M. D., *Clinical Bacteriologist.*
- Frederic Parker, Jr., M. D., *Assistant Pathologist.*
- George K. Mallory, M. D., *First Assistant in Pathology.*
- William A. Winn, M. D., *Second Assistant in Pathology.*
- James M. Woodall, M. D., *Third Assistant in Pathology.*
- Thomas T. Walker, M. D., *Pathologist at Sanatorium Division.*
- Alexander S. Dowling, M. D., *Resident Assistant in Pathology.*
- John B. Hazard, M. D., *Resident Assistant in Pathology.*
- Henry F. Howe, M. D., *Resident Assistant in Pathology.*
- Soma Weiss, M. D., *Assistant Director and Associate Physician in Thorndike Laboratory.*
- Robert N. Nye, M. D., *Associate Physician in Thorndike Laboratory.*
- Henry Jackson, Jr., M. D., *Associate Physician in Thorndike Laboratory.*
- William B. Castle, M. D., *Associate Physician in Thorndike Laboratory.*
- Chester S. Keefer, M. D., *Associate Physician in Thorndike Laboratory.*
- Wheelan D. Sutliff, M. D., *Assistant Physician in Thorndike Laboratory.*
- Gulli Lindh Muller, M. D., *Assistant Physician in Thorndike Laboratory.*
- Claude E. Forkner, M. D., *Assistant Physician in Thorndike Laboratory.*
- Laurence B. Ellis, M. D., *Resident Physician in Thorndike Laboratory.*
- Maxwell Finland, M. D., *Assistant Resident Physician in Thorndike Laboratory.*
- Thomas McNair Scott, M. D., *Assistant Resident Physician in Thorndike Laboratory.*
- Clark W. Heath, M. D., *Assistant Resident Physician in Thorndike Laboratory.*
- George P. Robb, M. D., *Assistant Resident Physician, Thorndike Laboratory and Resident Physician, Medical Afternoon Out-Patient Clinic.*
- Maurice B. Strauss, M. D., *Assistant Resident Physician, Thorndike Laboratory and Resident Physician for Tropical Diseases.*
- Thomas N. Hunnicutt, M. D., *Research Fellow, Thorndike Laboratory and Resident Physician for Pneumonia Service.*
- Percy B. Davidson, M. D., *Research Fellow, Thorndike Laboratory.*

James M. Faulkner, M. D., *Research Fellow, Thorndike Laboratory.*
Francis H. L. Taylor, M. D., *Research Fellow, Thorndike Laboratory.*
David M. Davis, M. D., *Research Fellow, Thorndike Laboratory.*
Greene S. FitzHugh, M. D., *Research Fellow, Thorndike Laboratory.*
Chi-Shih Yang, M. D., *Research Fellow, Thorndike Laboratory.*
James F. Rinehart, M. D., *Research Fellow, Thorndike Laboratory.*
Richard P. Stetson, M. D., *Research Fellow, Thorndike Laboratory.*
Max Ritvo, M. D., *Assistant Roentgenologist.*
Frederick W. O'Brien, M. D., *Assistant Roentgenologist.*
Albert M. Moloney, M. D., *Assistant Roentgenologist.*
Stanley J. G. Nowak, M. D., *Assistant in Surgical Research.*
J. William Burke, M. D., *Resident Surgeon, Out-Patient Department.*
Robert Aldrich, M. D., *Resident Surgeon, Fifth Surgical Service.*
James C. Callahan, M. D., *Resident Surgeon, Sixth Surgical Service.*
Morton S. Stern, M. D., *Resident Physician, First Medical Service.*
Israel Kopp, M. D., *Resident Physician, Third Medical Service.*
Norman W. Elton, M. D., *Resident Physician, Fifth Medical Service.*
Maurice Ingall, M. D., *Resident Physician, Pediatric Service.*
Anthony E. Peters, M. D., *Resident Physician, X-Ray Service.*
Merrill Moore, M. D., *Resident Physician, Neurological Service.*
Walter Wegner, M. D., *Resident Physician, Neurosurgical Service.*

SOUTH DEPARTMENT.

Morris Prizer, M. D., *Assistant Physician.*
Samuel H. Segool, M. D., *Assistant Physician.*
Pembroke N. MacDermott, M. D., *Assistant Physician.*



ANNUAL REPORT

OF THE

INSTITUTIONS DEPARTMENT

FOR THE YEAR ENDING DECEMBER 31, 1930.

BOSTON, January 1, 1931.

HON. JAMES M. CURLEY,
Mayor of Boston.

DEAR SIR,— In compliance with provisions of chapter 3, section 24, of the Revised Ordinances of the City of Boston, the following report of the Institutions Department for the year ending December 31, 1930, is respectfully submitted.

LONG ISLAND HOSPITAL DIVISION.

Shortly after assuming office, I began a survey of the Long Island Hospital Division of the department, and this indicated the need of an investigation into conditions.

At my request, and with your approval, the Finance Commission began an investigation which resulted in changes in the personnel at the Long Island Hospital, involving the removal of the superintendent and the druggist, the abolition of the position of deputy superintendent, and the resignations of the resident physician, assistant resident physician and others.

A careful consideration of the conditions at the hospital, as revealed by the investigation, and a resolve to provide against their recurrence, prompted me to clearly define the line of demarcation between the medical needs of the hospital and those that may be described as physical factors, such as the upkeep of the plant. Accordingly, the medical service of the hospital, with all its problems, was placed squarely upon the visiting staff, accountable to the commissioner. The physical problems were handled personally by the commissioner. This seems to be the best way to manage and supervise the Long Island Hospital.

Right here it may be said that the visiting staff are men of the highest standing in their profession.

The medical equipment at the hospital is all modern and replacements are made when necessary. The Pathological Department has been given modern apparatus during the year.

The following improvements have been made, and their enumeration will give an idea of the amount of work done to rehabilitate the plant during the past twelve months.

1. *Power Plant.*—The coal pulverizers attached to return tubular boilers, installed during the previous administration at a cost of \$49,977.84, proved a failure, and as they jeopardized the safety of the bedridden and infirm at the hospital, their removal was recommended. After a thorough investigation of the entire heating question as applied to the particular problem of Long Island, it was decided to place the plant on a hand-fired basis, and an additional boiler was added to the line. The valuable advice of Prof. Edward Miller of the Massachusetts Institute of Technology was available, without charge to the city, in the preparation of the plans and specifications. We may say here that we have never met a finer type of citizen, eager and willing to give the public interest the benefit of his specialized knowledge. The City Council cooperated by passing a loan appropriation of \$50,000. A contract for the alterations and improvements was awarded to the lowest bidder, J. J. Hurley Company, for \$32,688.

2. *Efficiency Measures.*—A new requisition system and stock book to check distribution of supplies was established. An improved method for recording valuables of inmates has been put into effect. Liquor prescriptions are carefully checked. All funds are

deposited in banks in the name of the City of Boston, Institutions Department. All legal matters are promptly turned over to the Law Department, which has been very helpful with advice and cooperation.

3. *Fire Hazard Reduced.*—As a protection against fire, a new fire pump has been installed giving a pressure of 120 pounds on the fresh water and salt water mains. The sprinkler annunciator system has been completely overhauled and rewired. The fire escapes have been repaired. The alarm system has been made effective. New fire extinguishers have been purchased, and over 1,500 feet of new hose bought. Water mains have been renewed. The employees are being organized into a fire squad.

4. *Welfare Board.*—The canteen or store formerly conducted at the hospital as a private proposition was turned over to a Welfare Board appointed by the commissioner. The profits as indicated by receipts and expenditures will amount to about \$2,000 a year. As fast as they accrue they are being used for entertainments and special benefits for the inmates.

5. *Pharmacy.*—The pharmacy was completely overhauled from the ground up. It is now well equipped, ready to furnish any demand made upon it by the medical staff for the care of the hospital cases. It is in charge of a chief pharmacist, and an assistant for night duty.

6. *Care of Inmates.*—Improvements have been made in the cooking and serving of food. Butter is served instead of substitutes; better clothing — other than the prison variety of suits and dresses — is furnished.

7. *Care of the Children at Long Island.*—Special attention has been given to the children at the hospital. Playground teachers were secured from the School Department for the first time in the history of the department. For the fall and winter term two elementary teachers, and a kindergarten teacher, were obtained, and their work with the children is officially supervised.

8. *General Improvements.*—In addition to the improvements enumerated above, the following improvements were made: New drying tumbler installed in laundry. Refrigerating plant put in first-class condition. Fence built around the reservoir. Radiator grills installed in the Children's Hospital. Front wharf

and sea wall repaired. Roadways and sidewalks were given necessary attention.

9. *Savings Made.*—Many state cases were discharged, with an annual saving of upward of \$5,000. Unnecessary use of the launch "Minot" was stopped; edible waste reduced; contracts advertised; income more carefully checked; extravagance in supplies eliminated.

PERSONNEL OF THE VISITING MEDICAL STAFF.

The Long Island Hospital is very fortunate in having for members of its visiting staff leaders in the medical profession. The names of the staff are given:

Visiting Neurologists.—Edward W. Taylor, M. D., Henry R. Viets, M. D.; Visiting Physician, John A. Foley, M. D.; Assistant Visiting Physician, James Hitchcock, M. D.; Visiting Surgeon, John H. Cunningham, M. D.; Assistant Visiting Surgeons: Channing Swan, M. D., Charles C. Lund, M. D., Charles L. Swan, M. D., Richard I. Smith, M. D.; Visiting Orthopedic Surgeon, Robert Soutter, M. D.; Assistant Visiting Orthopedic Surgeons: Robert H. Morris, M. D., Thomas H. Peterson, M. D.; Visiting Obstetrician, Delos J. Bristol, M. D.; Visiting Laryngologist, Edward J. Monahan, M. D.; Visiting Pediatrician, Fritz Talbot, M. D.; Assistant Visiting Pediatrician, Eliot Luther, M. D.; Visiting Dermatologist, Walter T. Garfield, M. D.; Visiting Ophthalmologist, C. Field Worthen, M. D.; Assistant Visiting Oral Surgeon, Victor P. Klapacs, D. M. D.; Assistant Visiting Roentgenologist, Alexander S. MacMillan, M. D.

Consulting Staff.—Physician, James J. Minot, M. D.; Pathologist, Burt S. Wolbach, M. D.; Dermatologist, E. Lawrence Oliver, M. D.; Laryngologist, Rockwell Coffin, M. D.; Obstetrician, Robert S. Titus, M. D.; Roentgenologist, Paul S. Butler, M. D.; Oral Surgeon, Kurt H. Thoma, M. D.; Physician, Francis X. Mahoney, M. D.; Anæsthetist, W. F. Temple, Jr., M. D.

MAJOR RECOMMENDATIONS FOR 1931.

Recreation Building.—A recreation building with an assembly hall seating 1,000 is needed. The building should include a stage, a reading room with wall space for books, a room for the work of the occupational therapist, a room for the pharmacy, and a gymnasium with shower baths.

It is estimated that a building so equipped would cost about \$250,000.

Transportation Service.—A new boat is needed to supplement the service of the steamer "George A. Hibbard." The necessity of the boat has long been admitted. It should be constructed on plans to meet the requirements of a total island population of nearly 2,000 people. A boat such as would best meet the department demands would cost about \$200,000.

For statistical data relative to the Long Island Hospital, please refer to pages 7-11 of this report.

CHILD WELFARE DIVISION.

The Child Welfare Division adjoins the Central Office on the eighth floor, City Hall Annex. It is charged with the duty of caring for the dependent and neglected children of the City of Boston.

The children classified as dependent are those children who are either without parents or are the children of parents who, for various reasons, are temporarily unable to care for them. The neglected children are received from the courts,—the result of broken homes or vicious environment. Children are never taken from their own parents because of poverty alone,—aid in their own homes being adjudged much wiser than any separation.

The Division has children placed in 591 family homes throughout the State of Massachusetts, and in fifteen institutions. Each of the homes is carefully investigated and is kept under continued supervision. As far as possible children of one family are placed together, but not more than two or three unrelated children in any one home. They are all placed in households of their own religion and are to be treated as members of the family, given the same chances for happiness, education and training that other children have.

Every child upon admission is given a thorough examination both to protect against positive illness and to assist in knowing just what kind of care the child needs. The babies under two are placed in care of registered nurses; the boys twelve and over in care of men, and the others also in care of especially trained visitors. Each child then has this special friend who keeps in touch with him as he goes to his new foster-home, visits him frequently, follows his progress in school and at church; cooperates with the foster parents in looking after his health and in being sure that he

is having both the recreation and the training that every child needs. These visitors are always available for both the children and the foster-parents, and they make it a point to find opportunities for seeing the children alone.

In those cases where conditions in the children's own families improve sufficiently, there is no obstacle whatever placed in the way of the children's return. Even if they cannot assume the full care, members of the families are expected to retain just as much responsibility as possible; in different instances where the mother is dead and the father cannot possibly care for the little ones at home he is contributing regularly to the City toward the cost of maintenance.

Most encouraging in the work of this Division is the wonderful response from the children themselves, their confidence in the workers of the Division, their appreciation of the devotion of foster-parents and their own genuine happiness and interest in life. It is an every day occurrence to have some happy normal child call at the office and tell, with sparkling eyes, all about everything that has been going on, or to have one of the older children, even those who have legally passed the age of care and are over twenty-one, come to consult about the serious problems that they meet or to tell about new joys in their life.

For statistical information in regard to this Division please refer to pages 7 and 12-14 of this report.

REGISTRATION DIVISION.

The office of the Registration Division is at Room 5, City Hall, where applications for institutional care are received. The duties of the Division are to consider and investigate all questions relating to settlement of applicants, determine where they shall be placed and arrange for commitment to hospitals for mental diseases.

For statistical information in regard to this Division please refer to page 15 of this report.

Respectfully submitted,

JAMES E. MAGUIRE,
Commissioner of Institutions.

FINANCIAL STATEMENT.

Expenditures, Receipts and Per Capita Cost of Maintenance for Year Ending December 31, 1930.

	Central Office.	Child Welfare Division.	Long Island Hospital Division.	Steamer "George A. Hibbard" and Launch "James J. Minot."	Rainford Island, Care of.
Total expenditures.....	\$55,300 84	\$254,125 99	\$666,252 70	\$42,597 17	\$1,208 64
Total receipts.....	.....	6,204 58	6,463 09	.....	.....
Net cost.....	\$55,300 84	\$247,921 41	\$659,789 61	\$42,597 17	\$1,208 64
Average number cared for .....	.....	1,166	1,167	.....	.....
Per capita cost per year.....	.....	\$212 63	\$565 37	.....	.....
Per capita cost per week.....	.....	4 07	10 84	.....	.....
Per capita cost per day.....	.....	58	1 55	.....	.....

Sawyer Marcella Street Home Fund Income.

OBJECT.	Balance January 1, 1930.	Interest on Investment.	Expended.	Balance December 31, 1930.
Higher education of children.....	\$518 37	\$96 75	\$85 71	\$529 41

LONG ISLAND HOSPITAL.

POPULATION STATISTICS.

	Male.	Female.	Total.
Number of inmates January 1, 1930.....	856	325	1,181
Admitted.....	987	230	1,217
Born.....	10	16	26
Total number cared for	1,853	571	2,424
Discharged.....	787	172	959
Died.....	137	72	209
Number of inmates January 1, 1931.....	929	327	1,256
Maximum.....			1,248
Minimum.....			1,101
Average			1,176
Average — excluding number out on leave of absence			1,167

HOSPITAL POPULATION.

	Male.	Female.	Total.
Number of inmates January 1, 1930.....	263	204	467
Admitted.....	1,286	322	1,608
Born during year.....	10	16	26
Total number cared for.....	1,559	542	2,101
Discharged during year.....	1,182	275	1,457
Died during year.....	137	72	209
Remaining in hospital January 1, 1931.....	240	195	435
Maximum.....			484
Minimum.....			425
Average.....			456

LONG ISLAND HOSPITAL.

DISEASES TREATED IN HOSPITAL DURING YEAR ENDING DECEMBER 31, 1930.

	Treated.	Discharged.	Remaining.
I. SPECIFIC INFECTIOUS DISEASES:			
Pulmonary Tuberculosis.....	33	24	9
Syphilis.....	41	26	15
Tabes Dorsalis.....	16	11	5
Gonorrhea.....	31	24	7
Gonorrheal Vaginitis.....	15	0	15
Arthritis, Infectious.....	15	12	3
All Others.....	48	38	10
II. DISEASES DUE TO ANIMAL PARASITES.....	13	7	6
III. DISEASES OF METABOLISM AND DEFICIENCY:			
Diabetes Mellitus.....	21	11	10
All Others.....	9	3	6
IV. DISEASES PECULIAR TO INFANCY:			
Malnutrition.....	18	5	13
All Others.....	16	9	7
V. DISEASES DUE TO PHYSICAL AGENTS...	4	3	1
VI. POISONINGS. INTOXICATIONS.....	33	30	3
VII. TUMORS. BENIGN AND MALIGNANT:			
Carcinoma.....	19	15	4
All Others.....	16	14	2
VIII. CONGENITAL MALFORMATIONS.....	11	5	6
IX. INJURIES.....	59	45	14
X. DISEASES OF THE SKIN.....	27	20	7
XI. DISEASES OF THE CIRCULATORY SYSTEM:			
Auricular Fibrillation.....	15	11	4
Mitral Stenosis.....	22	18	4
Mitral Insufficiency.....	13	10	3
Mitral Regurgitation.....	23	18	5
Chronic Myocarditis.....	94	75	19
Cardiac Hypertrophy.....	20	17	3
Arteriosclerosis.....	291	240	51
Varicose Veins.....	34	29	5
Varicose Ulcers.....	24	13	11
Hypertension.....	156	121	35
All Others.....	50	40	10

DISEASES TREATED IN HOSPITAL DURING YEAR ENDING DECEMBER 31, 1930.—*Continued.*

	Treated.	Discharged.	Remaining.
XII. DISEASES OF THE LYMPHATIC SYSTEM....	3	3	0
XIII. DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS	13	4	9
XIV. DISEASES OF THE DUCTLESS GLANDS....	5	3	2
XV. DISEASES OF THE NERVOUS SYSTEM.			
Paraplegia.....	10	3	7
Tabes Dorsalis.....	10	7	3
Paralysis Agitans.....	10	5	5
Cerebral Hemorrhage.....	16	12	4
Hemiplegia	65	34	31
Neuritis.....	32	18	14
Aphasia.....	10	2	8
Senility.....	80	65	15
All others.....	74	51	23
XVI. DISEASES OF BONES, JOINTS, MUSCLES, TENDONS AND FASCIA.			
Arthritis, Chronic Infectious.....	10	.....	10
Arthritis, Hypertrophic.....	49	41	8
Hallux Valgus.....	11	10	1
All others.....	46	26	20
XVII. DISEASES AND INJURIES TO THE EYE AND EAR.....	67	38	29
XIX. DISEASES OF MOUTH, LIPS, CHEEKS, PHARYNX, TONSILS AND PALATE.....	61	47	14
XX. DISEASES OF THE JAW, TEETH AND GUMS.....	76	51	25
XXIII. DISEASES OF THE STOMACH.....	6	3	3
XXIV. DISEASES OF THE INTESTINES.....	20	16	4
XXV. DISEASES OF LIVER AND BILIARY TRACT.....	6	6	.....
XXVII. DISEASES OF ABDOMEN AND PERI- TONEUM IN GENERAL.....	49	33	16
XXVIII. DISEASES OF THE RECTUM AND ANUS	22	16	6
XXIX. DISEASES OF THE LARYNX.....	2	.....	2
XXX. DISEASES OF THE TRACHEA AND BRONCHI.....	45	28	17
XXXI. DISEASES OF THE LUNGS.....	17	17	.....
XXXII. DISEASES OF THE PLEURA AND MEDIASTINUM.....	.....	.....	.....
XXXIII. DISEASES OF THE KIDNEY AND URETER.....	20	16	4
XXXIV. DISEASES OF THE BLADDER.	26	21	5

DISEASES TREATED IN HOSPITAL DURING YEAR ENDING DECEMBER 31, 1930.—*Concluded.*

	Treated.	Discharged.	Remaining.
XXXV. DISEASES OF THE URETHRA, MALE AND FEMALE	6	6	.....
XXXVI. DISEASES OF THE MALE GENERATIVE ORGANS	48	37	11
XXXVII. DISEASES OF THE FEMALE GENERATIVE ORGANS	10	7	3
XXXVIII. PUERPERAL STATE	54	30	24
XXXIX. DISEASES OF THE BREAST, MALE AND FEMALE	1	1	.....
XLII. ILL-DEFINED OR UNCLASSIFIED DISEASES	324	312	12

In the interests of economy the tabulated list of diseases treated has been abridged, A more complete list is available at the hospital.

Deaths in Hospital During Year Ending December 31, 1930, from the Following Causes.

DISEASES OF THE CIRCULATORY SYSTEM:

Cerebral hemorrhage	9
Generalized arteriosclerosis	9
Chronic myocarditis	19
All others	17

LUNG DISEASES:

Broncho-pneumonia	48
Pulmonary tuberculosis	18
Lobar pneumonia	20
All others	9

MALIGNANT DISEASES 22

DISEASES OF KIDNEY AND URETER 13

DISEASES OF METABOLISM AND DEFICIENCY 5

DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS. 1

DISEASES OF LIVER AND BLADDER 3

DISEASES OF INTESTINES 5

CONGENITAL DISEASES 2

DISEASES OF NERVOUS SYSTEM 1

DISEASES OF STOMACH 1

OTHER DISEASES 7

Total number of deaths 209

NOT INCLUDED IN ABOVE LIST.

Private patients	5
Special cases	2

CHILD WELFARE DIVISION.

POPULATION.

Number of children in care of division December 31, 1929	1,116
Number of children admitted within year ending December 31, 1930	270

	Number.	Per Cent.
Dependent.....	211	78.15
Committed by court.....	59	21.85
	270	100.00

Number of children discharged within year ending December 31, 1930	175
Total number of children cared for within year	1,386
Average number of children in care in 1930	1,166
Number in care of division December 31, 1930	1,211
Boarded in families	791
Partially free or at wage in families	282
Boarded in institutions	56
Free in institutions	82

Condition of Parents of Children Admitted within Year Ending December 31, 1930.

Mother dead.....	82
Father dead.....	40
Both parents dead.....	11
Mother physically or mentally incapacitated.....	107
Father physically or mentally incapacitated.....	13
Parents unmarried.....	36
Mother deserted.....	19
Father deserted.....	24
Both parents deserted.....	3
Parents separated.....	7

CHILD WELFARE DIVISION.

Number in Care of Division, December 31, 1927, 1928, 1929 and 1930, Classified by Placement.

	December 31, 1927.	Per Cent.	December 31, 1928.	Per Cent.	December 31, 1929.	Per Cent.	December 31, 1930.	Per Cent.
DEPENDENT AND NEGLECTED CHILDREN:								
In boarding homes:								
Dependent.....	481	62.74	563	65.41	597	63.17	662	65.32
Committed by Court.....	46		78		108		129	
In free homes:								
Dependent.....	135	22.14	160	21.63	216	24.64	205	23.29
Committed by Court	51		52		59		77	
In institutions:								
Dependent.....	117	15.12	116	12.96	122	12.19	123	11.39
Committed by Court.....	10		11		14		15	
Totals.....	840	100.00	980	100.00	1,116	100.00	1,211	100.00

On December 31, 1930, the division had children placed in 591 family homes and in the following 15 institutions:

Boston City Hospital.....	4
Home for Jewish Children.....	1
House of the Angel Guardian.....	16
House of the Good Shepherd.....	9
Ingleside School.....	1
Lakeville Sanatorium.....	1
Long Island Hospital.....	56
Massachusetts Hospital School.....	38
Middlesex County Training School.....	1
Monson State Hospital.....	1
New England Home for Little Wanderers.....	1
North Reading Sanatorium.....	2
Robert Bent Brigham Hospital.....	1
St. Joseph's Industrial School.....	4
Westfield Sanatorium.....	2

CHILD WELFARE DIVISION.
Number in Care of Division, December 31, 1930, Classified by Age.

AGES.	IN BOARDING HOMES.					IN PARTIALLY FREE HOMES.					IN INSTITUTIONS.					GRAND TOTAL.				
	DEPENDENT.		COMMITTED BY COURT.		Total in Boarding Homes.	Per Cent.	DEPENDENT.		COMMITTED BY COURT.		Total in Partially Free Homes.	Per Cent.	DEPENDENT.		COMMITTED BY COURT.		Total in Institutions.	Per Cent.	Number.	Per Cent.
	Girls.	Boys.	Girls.	Boys.			Girls.	Boys.	Girls.	Boys.			Girls.	Boys.	Girls.	Boys.					Girls.	Boys.	Girls.
Under 1 year.....	7	3	1	.....	11	1.39	.....	.....	.....	.....	.....	.....	2	1	.....	.....	3	2.17	14	1.16
1 to 3 years.....	30	38	7	7	82	10.37	.....	4	.....	5	1.77	6	7	1	.....	.....	14	10.15	101	8.34
3 to 5 years.....	41	40	10	9	100	12.64	.....	2	.....	6	2.13	5	3	.....	.....	.....	8	5.80	114	9.41
5 to 10 years.....	113	159	19	28	319	40.33	8	7	22	2	7.80	18	14	1	.....	.....	33	23.91	374	30.88
10 to 12 years.....	52	44	11	7	114	14.41	4	4	14	2	4.96	9	9	1	3	.....	22	15.94	150	12.39
12 to 15 years.....	48	72	9	15	144	18.20	8	14	32	3	11.35	10	14	2	.....	.....	26	18.84	202	16.68
Over 15 years.....	6	9	2	4	21	2.66	67	85	203	27	71.99	16	9	6	1	.....	32	23.19	256	21.14
Totals.....	297	365	59	70	791	100.00	89	116	282	36	100.00	66	57	11	4	.....	138	100.00	1,211	100.00

REGISTRATION DIVISION.

ADMISSIONS FOR YEAR ENDING DECEMBER 31, 1930.

State Infirmary	1,329
Long Island Hospital	1,636
Total	<u>2,965</u>

COMMITMENTS TO HOSPITALS FOR MENTAL DISEASES FOR
YEAR ENDING DECEMBER 31, 1930.

Boston State Hospital	496
Medfield State Hospital	114
Boston Psychopathic Hospital	107
Worcester State Hospital	72
Foxboro State Hospital	63
Grafton State Hospital	52
Danvers State Hospital	39
Westborough State Hospital	16
Taunton State Hospital	10
State Farm, Bridgewater	4
Monson State Hospital	3
Total	<u>976</u>

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ANNUAL REPORT
OF THE
LAW DEPARTMENT
FOR THE YEAR 1930.

Boston, March 1, 1930.

To His Honor the Mayor.

I respectfully submit the report of the Law Department for the financial year beginning January 1, 1930, and ending December 31, 1930.

EXPENDITURES.

The expenditures of the department, amounting to \$114,162.48, were as follows:

Personal service	\$107,256 30
Service other than personal	3,980 81
Equipment	572 59
Supplies	2,352 78
	<u>\$114,162 48</u>

IMPORTANT LEGISLATION.

The following bills were presented to the Legislature on petition of the Mayor of Boston and were enacted into law:

Chapter 97.—An Act providing for the dredging of Leverett Pond and Muddy River in the Town of Brookline and the City of Boston.

Chapter 105.— An Act relative to appropriations by the City of Boston for municipal purposes. (Establishing the tax limit at sixteen dollars.)

Chapter 167.— An Act repealing the provisions of law subjecting the appointment of department heads and others in the City of Boston to approval by the Civil Service Commission.

Chapter 168.— An Act authorizing the City of Boston to establish and maintain an official thoroughfare plan.

Chapter 178.— An Act relative to sewerage works of the City of Boston. (Removing limitation of borrowing capacity for sewers.)

Chapter 236.— An Act exempting the employees and other assistants of the Boston Port Authority from civil service laws.

Chapter 264.— An Act relative to the widening and construction of Summer and L streets in the South Boston District of the City of Boston.

Chapter 277.— An Act authorizing municipal expenditures in connection with the holding of conventions and the entertainment of distinguished guests.

Chapter 304.— An Act to authorize the City of Boston to borrow money for the purpose of constructing sanitary and surface drain sewers. (Authorizing the borrowing of five hundred thousand dollars outside the debt limit for new sewers.)

Chapter 305.— An Act to authorize the City of Boston to borrow money for the reconstruction of streets. (Authorizing the borrowing of two million dollars outside the debt limit.)

Chapter 357.— An Act relative to the transfer of certain land in the Roxbury District of the City of Boston from the Park Department to the Library Department of the City of Boston. (Mission Hill Playground.)

Chapter 394.— An Act providing for the elimination of the crossing at grade at Governor square in the City of Boston by street railway cars using the Boylston Street Subway.

Chapter 399.— An Act providing a uniform system of fire prevention throughout the Commonwealth.

Chapter 420.— An Act authorizing certain highway and other improvements in certain cities and towns within the Metropolitan District.

Resolve, chapter 17.— Providing for an investigation relative to the time of payment of local taxes.

Resolve, chapter 37.— Providing for an investigation relative to the adequacy of the terminal facilities of the port of Boston and to the advisability of the construction of a grain elevator on harbor front property of the Commonwealth at South Boston.

Resolve, chapter 52.—Providing for an investigation relative to the construction by the metropolitan district commission of a parkway or boulevard along the East Boston waterfront.

Resolve, chapter 53.—Authorizing additional leases to the City of Boston for airport purposes of certain lands of the Commonwealth in East Boston and providing for certain reservations to protect the Commonwealth's interest.

DISPOSITION OF CLAIMS REFERRED TO THE LAW
DEPARTMENT BY THE CITY COUNCIL.

Claims pending January 1, 1930	1,676
Claims received during year	867
Claims approved during year	164
Claims disapproved during year	511
Amount paid out on approved claims	\$5,475 01
Amount wanted on disapproved claims	\$74,892 16

Many actions were brought wherein the City of Boston was plaintiff, for the collection of taxes, water bills, and other outstanding bills due the city; in all 163 accounts were collected, totaling \$11,133.62.

DISPOSITION OF SUITS.

Summary of Tort Actions Against the City.

Total number of cases	507
Verdicts:	
Plaintiff	127
Defendant	248
Settled	132
Total payments	\$83,276 47

Summary of Contract Actions Against the City.

Total number of cases	5
Verdicts:	
Plaintiff	2
Defendant	1
Settled	2
Total of verdicts	\$61,898 71
Total of settlements	\$25,994 15

Summary of Land Damage Cases.

Total number of cases	74
Trials:	
Plaintiff	22

Settled	44
Disposed of without payment	8
Total of payments	\$721,923

Sixty-six petitions for abatement of betterments were disposed of.

Forty-two petitions for abatement of taxes were disposed of.

One petition to restrain city from building vehicular tunnel — dismissed.

One petition to stop work at Governor square — dismissed.

Two petitions for damage to leasehold rights — granted.

Ten taxpayers petition to restrain city from buying water meters — allowed.

Two suits for damage to property by riotous mob — one dismissed; one verdict for defendant.

One writ of mandamus — removal of fence; dismissed.

The Supreme Judicial Court also decided during the year 1930 the following cases:

Wright & Ditson v. City of Boston, decided February 6, 1930. This was an action of contract to recover the price of athletic wearing apparel purchased by the School Committee. It was a test case to determine whether or not the School Committee of the City of Boston had the legal right to purchase athletic wearing apparel for students engaged in athletic contests in public schools. The Court ruled that the School Committee had no such power and held that while the School Committee could provide athletic apparatus and equipment it could not supply uniforms and other athletic wearing apparel for pupils and followed the decision of *Brine v. Cambridge*, 265 Mass. 452, which denied the city of Cambridge the right to supply athletic wearing apparel to its students.

John C. Lynch v. Superintendent of Construction of School Buildings of Boston et al., decided May 28, 1930. This was a petition for a writ of mandamus to remove one McDonough as an inspector of plumbing in the Department of School Buildings and to compel the Superintendent of Construction to appoint some other person as such inspector. The Court held that the petition could not be maintained. It further held that school buildings are not under the jurisdiction of the Building Commissioner and not subject to the building laws and that the inspector of plumbing appointed by the Superintendent of Construction was an official

entirely different from the Inspector of Plumbing of the Building Department and, therefore, did not come under the Civil Service requirements for inspector of plumbing which pertained to the Building Department. The court held that McDonough was not eligible for appointment to the position of inspector of plumbing in the Department of School Buildings in that he did not comply with the law that provided before a plumber can be appointed to the position of inspector of plumbing he must hold a master plumber's license, must be registered as a master plumber and must have had practical experience as a journeyman plumber during more than five years next preceding his appointment. McDonough could not comply with the provision requiring five years' experience next preceding his appointment, nor had he registered as a master plumber. The Court held that it was unnecessary for him to comply with this provision as it referred only to an inspector of plumbing in the Building Department.

William Harper, Jr. v. Board of Appeal of the Building Department of the City of Boston, decided May 29, 1930. This was a bill in equity brought against the Board of Appeal of the Building Department in which the petitioner claimed that an abutting owner was granted a permit by the Building Commissioner by order of the Board of Appeal. The respondents claimed that the petitioner's remedy, if he had any, was by writ of certiorari and not a bill in equity; that although the Building Law provides for a review of the actions of the Board of Appeal, such review must be by certiorari and not by a bill in equity. The petition was dismissed.

John E. Dyer et al. v. Boston, decided July 11, 1930. This is an action of contract. The plaintiffs, contractors, claimed that the city had breached their contract and sought to recover damages for such breach. It appeared that the plaintiffs had entered into a contract with the City to construct a boiler plant upon the site of the Suffolk County Jail for the sum of \$85,872, subject to additions and deductions, in accordance with the terms of the contract. The appropriation made by the City Council to do this work was \$100,000. The contract price, plus architect's fees and other incidental expenses, used up \$93,814.20. During the course of the work it became necessary to drive piles further than was contemplated and provision was made in the contract for the payment of a unit price, at a

certain rate per linear foot. This unit price per linear foot had been inserted in the contractor's bid and had been overlooked and was found to be an exorbitant unit price. After the contractor had performed the extra work he submitted a bill based upon this unit price which the city refused to pay, claiming that to pay this unit price would exceed the total amount of the appropriation of \$100,000, since \$93,000 had already been bargained for, and offered to pay any balance remaining in the appropriation up to \$100,000. This the contractor refused to accept and refused to proceed with the work, whereupon the city declared the contract breached and ordered the work done by another contractor. The point had never been decided heretofore by the courts of this Commonwealth as to whether a unit price payment made during the progress of the work and before the contract has been completed should be considered in determining whether or not the contract, so amended by the extra payment, would exceed the appropriation made for the work. The contractor claimed that as long as there was a balance remaining unexpended in the appropriation, even though the contract price and other incidentals used up the entire appropriation order, he was entitled to his extra payment out of such balance remaining unexpended, and that the city should secure additional funds after the work had progressed to the point where all the money available had been expended. This theory the Court refused to adopt and held that the contractor could only receive an extra during the progress of the work which would not exceed any balance remaining after deducting the contract price of \$85,872 and other incidental expenses. The Court further held that the plaintiff's refusal to go forward had breached the contract and that the city had the legal right to have the work finished by another contractor and that any balance remaining in the city treasury from the original appropriation of \$100,000, after the work was completed, should be paid to the contractor.

Meisel Manufacturing Company v. Boston, decided July 24, 1930. These were seven petitions for land damages which were tried together. The jury found for the petitioner in the sum of \$22,112.17 in one case and one dollar in the others and the plaintiff appealed from these verdicts. The takings involved were to

provide for the extension of rapid transit facilities in the Dorchester District. The plaintiff took exception to the rulings made by the Court in this case with reference to the admissibility of evidence, which exceptions were over-ruled by the Court. The city introduced evidence with reference to the value of the remaining land to the petitioner, due to the fact that an industrial siding for freight had been erected after the taking. The petitioner contended that this should not have been introduced but the Court overruled it. After an examination of the exceptions urged by the petitioners, the Court found that there was no reversible error and sustained the verdict of the jury.

C. & R. Construction Company v. Boston, decided December 4, 1930. This was an action at law brought by the plaintiff contracting company to recover a balance due under a contract made between it and the city for work on Beacon street. The city admitted that it held the money claimed by the contractor but asked the court to rule that it was not required to turn this money over to the plaintiff contracting company because of its claim which it made in set-off that a judgment had been rendered against the city in another law suit arising out of a defect in a street in the city upon which the plaintiff contractor had done work, and it was because of the defective condition in the highway which the contractor had allowed to remain that the city was required to pay the judgment of the court. The Court held that the city was justified in retaining such sums as it was required to pay on account of the condition of the street allowed to remain by the plaintiff company when it was not engaged in work for the city. The Court, in ordering a verdict for the city, based its decision upon the evidence introduced that the defect for which the injured party recovered judgment against the city, was on the street where the plaintiff company had performed work and that under the contract between the plaintiff contractor and the city the contractor agreed to indemnify the city for losses of this kind. The Supreme Court ruled that the lower court was in error in that this matter should have been submitted to the jury and should not have been decided by the Court itself; that the entire matter was not one of law but was a matter of fact to be determined by a jury. The exceptions of the plaintiffs were sustained and a new trial was ordered.

CONVEYANCING DEPARTMENT.

During the year many instruments of conveyance were drafted, including deeds, leases and licenses and numerous examinations of title. The records of the Land Court, with reference to land sought to be registered by the city, were examined and the interests of the city have been presented to the Court and preserved in each case. Also many cases where tax titles to property are held by the City of Boston have been examined.

OPINIONS.

One hundred sixty-three legal opinions were rendered by the Law Department to other departments of the city.

ENFORCEMENT OF THE BUILDING LAW.

All notices of complaints are sent to the Law Department by the Building Department simultaneously with service on the violator of the law.

The purpose of this is to have the Law Department's representative endeavor to arrange for a conference at the Building Department between the violator, the building inspector and the Building Commissioner, the purpose being to aid the person against whom the complaint is made by showing him what is necessary to be done to have the complaint against him closed. As a result of this practice many cases have been settled at the conference, thus eliminating court action.

The representative of the Law Department is also frequently called into consultation in reference to plans and the law on proposed structures, the purpose being to offer aid and counsel to those intending to build.

The number of cases referred for actual court action during 1930 is as follows:

For neglect to provide egress	182
For violation of the building law	40
For maintaining unsafe buildings after notice to secure or take down	5
Sprinkler complaints	4
Total	231

Of the above number of referred complaints, the following have been closed:

For neglect to provide egress	37
For violation of the building law	1
Total	38

In addition the following complaints referred for court action prior to January 1, 1930, have been closed during the year 1930.

For neglect to provide egress	57
For violation of the building law	56
For maintaining unsafe buildings after notice to secure or take down	8
Sprinkler complaints	1
Total	122

This department by direction of his Honor the Mayor handled all rent and housing cases in place of the Rent and Housing Commission, which was abolished. All cases presented to the Law Department were either adjusted or steps taken to secure relief for the complainant.

Respectfully submitted,

SAMUEL SILVERMAN,
Corporation Counsel.



ANNUAL REPORT

OF THE

LIBRARY DEPARTMENT

FOR THE YEAR 1930.

TO HIS HONOR JAMES M. CURLEY,
Mayor of the City of Boston.

SIR,— The trustees of the Public Library of the City of Boston present the following report of its condition and affairs for the year ending December 31, 1930, being the seventy-ninth annual report.

ORGANIZATION OF THE BOARD.

The Board organized at the annual meeting on June 20, 1930, by the election of Mr. Frank W. Buxton as president, Mgr. Arthur T. Connolly as vice president, and Miss Della Jean Deery as clerk.

Mr. Guy W. Currier, a trustee since 1922, died on June 21, and on July 1 Mr. Ellery Sedgwick was appointed a trustee for the term ending April 30, 1933.

On July 9, 1930, the trustees adopted the following resolution on the death of Guy W. Currier:

The trustees of the Public Library of the City of Boston in expressing their regret at the death of Mr. Guy W. Currier on June 21, 1930, are conscious that the library has suffered a great loss. By his faithful, interested, and successful discharge of his official duties Mr. Currier is entitled to the grati-

tude of all friends of the library. To many important matters especially referred to his consideration by the Board he gave devoted attention and outstanding ability. Always considerate, modest and showing great sympathy in the intimate affairs of the library, Mr. Currier had not only the good will but the highest respect of every member of the Board. His unselfish and efficient service has been a fine example to the city of his residence and a memory to be cherished by his library associates.

Resolved, That this matter be placed upon the records of the Board, and that a copy be sent to Mrs. Currier.

RECEIPTS OF THE LIBRARY.

The receipts which may be expended by the trustees for the maintenance of the library consist of the annual appropriation by the Mayor and City Council, and the income from trust funds given to the institution and invested by the City Treasurer. During the year 1930 these receipts were:

Annual appropriation	\$1,173,144 00
Special appropriations: Library Building, Fire-proofing, Foundations and Branch Libraries, Establishment of	373,712 53
Income from trust funds	27,245 40
Unexpended balance of trust funds income of previous years	38,423 19
	<u>\$1,612,525 12</u>

Receipts which are accounted for and paid into the city treasury for general municipal purposes during the past year have been as follows:

From fines	\$21,520 22
From sales of waste paper	90 85
From sales of catalogues, etc.	171 97
From commission on telephone stations	604 45
From payments for lost books	1,266 55
Interest on bank deposits	55 82
Refund	36 82
Total	<u>\$23,746 74</u>

ESTIMATES FOR 1931.

The estimates submitted on November 1, 1930, for the maintenance of the library for the year ending December 31, 1931, in segregated form, are as follows:

A — Personal service	\$883,903 00
B — Service other than personal	250,866 00
C — Equipment	227,549 00
D — Supplies	49,747 00
E — Materials	34,805 00
F — Special items	864 00
Total	<u>\$1,447,734 00</u>

THE YEAR'S PROGRESS.

The year 1930 has been one of activity and growth throughout the entire library system. The new accessions totaled 118,527 volumes, an increase of 6,181 books over the accessions received during the preceding year. An enlarged city appropriation and many gifts are responsible for the increase. Of the 97,832 books purchased, 14,188 were for the Central Library and 83,644 were for the branches and the Branch Deposit collection. The total expenditure for books, periodicals, newspapers and other library material from the city appropriation and trust funds income was \$181,588.70. The total number of volumes in the Central Library and branches is 1,526,951.

The outstanding purchase of the year was the Franciscan library of the late Paul Sabatier. The collection consists of 2,396 books, and includes practically everything in print pertaining to St. Francis. It includes valuable books of antiquity and is a conspicuous addition to the scholarly collections of Boston and of the country.

Gifts to the library during the year were numerous and generous. Through the bequest of the late Walter Updike Lewisson of Boston an unusually rich collection of 5,964 items relating to George Washington was received. The bequest of Mrs. George E. Richards, in memory of her husband, of 1,294 books on biography, history, horticulture and travel was of interest. From Dr. Edward C. Streeter came the gift of 369 volumes in general literature. The bequest of \$2,000 from Charles H. L. M. Bernard, establishing a fund, the income of which is to be expended for books, was most welcome. A list of the more important gifts of books and other library material will be found in the report of the director.

The most notable event of the year was the opening on May 7 of the new Kirstein Memorial Library, housing on the first two floors the Business Branch, and on the

third floor a general branch library for adults. The building and its equipment, the gift of Mr. Louis E. Kirstein in memory of his father, have proved admirable in all respects. In March, 1930, a special appropriation of \$200,000 was received, being the first installment on the suggested building program of your Honor for the branch library system. The first fruits of the program will be revealed when two new branch buildings now in process of construction, one in the Parker Hill district, Cram & Ferguson, architects, and the other in the Mattapan district, Putnam & Cox, architects, will open to the public next spring. These modern buildings will replace wholly inadequate rented quarters.

The reconstruction of the Music and Treasure Rooms and the North Gallery in the Central Library was completed early in 1930, and has attracted much favorable comment. For the first time there is a room suitable for the exhibition of the many outstanding treasures of the library.

Exhibits were arranged, as customary, during the year, the most important being that of the Tercentenary celebration. The library published a scholarly description of the main exhibit, and a pamphlet of 166 pages on "The Massachusetts Bay Colony and Boston; being a selected list of books in the Boston Public Library," the first considerable adventure in the bibliography of the city.

The lecture activities of the library resulted in capacity audiences at most of its entertainments. The number of free public lectures and concerts offered to the public in the Central Library Lecture Hall during the year was 126. The lectures on the symphony concerts conducted with the cooperation of the University Extension Division of the State Board of Education were well attended, and doubtless have done not a little in developing the musical taste of the audiences. It is gratifying to note that Mrs. Elizabeth S. Coolidge again offered a series of quartet concerts at the Central and branch libraries. The library also conducted a series of weekly ten-minute talks over radio station WNAC, as a part of the Wednesday afternoon "Women's Federation Hour." The circulation of books was 4,133,459, a gain of 203,391 over the previous year. The number of new registrations received at the Central Library and the branches were 32,373. On December 31, 1931, there were 160,201 "live" registration cards in use, a

gain of 6,221 over the year 1929. It is no exaggeration to state that the library system as a whole is alive, active, and branching out in all reasonable directions to serve in a larger way the reading public of the City of Boston.

EXAMINING COMMITTEE.

The trustees desire especially to call to the attention both of your Honor, and of all friends of the library, the appended report of the Examining Committee. The members of the Board acknowledge with gratitude the assistance rendered by the committee. Its recommendations will receive careful consideration and will be followed as rapidly as means are found available. The membership of the committee for the year consists of the following persons:

Miss Anna M. Bancroft.	Mr. Melville D. Liming.
Mr. Arthur H. Cole.	Mrs. Edward L. Logan.
Mrs. Frank D. Comerford.	Mr. Percival Merritt.
Mr. Allen Curtis.	Mr. George R. Nutter.
Mr. Charles P. Curtis.	Hon. James P. Parmienter.
Mr. Frederic H. Curtiss.	Mrs. Elizabeth W. Perkins.
Mr. Carl Dreyfus.	Mrs. Edward M. Pickman.
Mr. Hollis French.	Dr. David D. Scannell.
Miss Susan J. Ginn.	Mr. William B. Snow.
Mr. John L. Hall.	Rev. William M. Stinson, S. J.
Mr. Henry Lewis Johnson.	Mr. Charles H. Thurber.
Rev. Harry Levi.	Mrs. Eva Whiting White.

TRUST FUNDS.

The trustees welcome bequests of money, and hope that generous testators may remember the library. It is from such sources only that they can make purchases of rare works, which give value and rank to a great educational institution.

As a matter of interest to the public, the Board has pleasure in listing herewith the present trust funds of the library, with explanatory notes.

Artz Fund.—Donation from Miss Victorine Thomas Artz of Chicago: the income of this sum to be employed in the purchase of valuable, rare editions of the writings, either in verse or prose, of American and foreign authors. These books are to be known as the “Longfellow Memorial Collection.” Received in 1896.

Invested in City of Boston four per cent bond, \$10,000 00

Bates Fund.— Donation made by Joshua Bates of London, in March, 1853. "The income only of this fund is to be each and every year expended in the purchase of such books of permanent value and authority as may be found most needful and most useful." Payable to the Mayor of the city for the time being.

Invested in City of Boston four per cent bond, \$50,000 00

Charles H. L. N. Bernard Fund.— Bequest of Charles H. L. N. Bernard. Received in 1930.

Deposited in Hibernia Savings Bank . . . \$2,000 00

Bigelow Fund.— Donation made by John P. Bigelow in August, 1850, when Mayor of the city.

The income from this fund is to be appropriated for the purchase of books for the increase of the library.

Invested in City of Boston four per cent bond, \$1,000 00

Robert Charles Billings Fund.— Bequest of Robert Charles Billings.

"The sum to constitute a permanent fund for said library, to be called the Robert Charles Billings Fund, the income only to be used for the purpose of the purchase of books for said library." Received in 1903.

Invested in

City of Boston four and one quarter per cent
bonds \$6,000 00

City of Boston four per cent bonds 88,000 00

City of Boston three and three quarters per
cent bonds 6,000 00

\$100,000 00

Bowditch Fund.— Bequest of J. Ingersoll Bowditch. Received in 1890.

The whole income in each and every year to be expended in the purchase of books of permanent value and authority in mathematics and astronomy.

Invested in City of Boston four and one quarter per cent bond \$10,000 00

Bradlee Fund.— Bequest of the Rev. Caleb Davis Bradlee to the Boston Public Library. Received in 1897.

Invested in City of Boston four and one half per
cent bond \$1,000 00

Joseph H. Center Fund.— Bequest of Joseph H. Center, the income thereof to be at all times applied to the purchase of books and other additions to the library. Received in 1905.

Invested in

City of Boston four per cent bonds, ...	\$1,600 00
City of Boston three and one half per cent bonds	32,300 00
Commonwealth of Massachusetts three and one half per cent bond	6,000 00
Cash in city treasury, December 31, 1930, ...	8 89
	\$39,908 89

Children's Fund.— Bequest of Josiah H. Benton of \$100,000, to be held as "The Children's Fund," and the income applied to the purchase of books for the use of the young, to be applied for those purposes only in years when the city appropriates for the maintenance of the library at least three per cent of the amount available for department expenses from taxes and income in said city. In any year when the city does not thus appropriate at least three per cent of the amount available for department expenses from taxes and income in said city, the income given in said will for the purchase of books shall be paid to the Rector of Trinity Church in the City of Boston to be by him dispensed in relieving the necessities of the poor.

Invested in

City of Boston four and one quarter per cent bond	\$15,000 00
City of Boston four per cent bond	36,000 00
City of Boston three and three quarters per cent bond	6,000 00
City of Boston three and one half per cent bond	20,000 00
Commonwealth of Massachusetts three and one half per cent bond	20,000 00
Commonwealth of Massachusetts four per cent bond	6,000 00
Cash in city treasury, December 31, 1930	117 74
	\$103,117 74

Clement Fund.— Bequest of the late Frank Clement of Newton, to be known as the "Frank Clement Fund," the income to be applied to the purchase of books. Received in 1915.

Invested in City of Boston four per cent bond, \$2,000 00

Henry Sargent Codman Memorial Fund.— This is a contribution from the friends of Henry Sargent Codman, to be used to perpetuate the memory of Mr. Codman by the purchase of books upon landscape gardening. It is the desire of the subscribers that a special book plate shall be inserted in each of the volumes purchased, identifying it as part of their memorial collection. Received in 1898.

Invested in

City of Boston three and one half per cent bond	\$2,000 00
Cash in city treasury, December 31, 1930	854 41
	<u>\$2,854 41</u>

Cutter Fund.— Bequest of Abram E. Cutter of four thousand dollars and his library of books, the income of the fund to be expended for the purchase of books, and for binding. Received in 1901.

Invested in

City of Boston three per cent bond	\$4,000 00
City of Boston four and one half per cent bond	100 00
City of Boston four and one quarter per cent bond	100 00
Cash in city treasury, December 31, 1930	30 00
	<u>\$4,230 00</u>

Elizabeth Fund.— Bequest of Sarah A. Matchett, late of Brookline, who died October 6, 1910, the object of which is stated in the following extract from her will: “I give and bequeath to the Trustees of the Public Library of the City of Boston, twenty-five thousand dollars, to be called the Elizabeth Fund, to be received, held and securely invested, and only the net income there from expended every year in the purchase of such books of permanent value and authority as may be most useful in said library.

Invested in City of Boston four per cent bond . . . \$25,000 00

Daniel Sharp Ford Fund.— A bequest of Daniel Sharp Ford to the Public Library of the City of Boston. Received in 1900.

Invested in City of Boston three per cent bond, \$6,000 00

Franklin Club Fund.— Donation made in June, 1863, by a literary association of young men in Boston, who, at the dissolution of the association, authorized its trustees, Thomas Minns, John J. French and J. Franklin Reed, to dispose of the funds on hand in such manner as to them should seem judicious. They elected to bestow them on the Public Library, attaching thereto only the following conditions: “In trust, that the income, but the income only, shall, year by year, be expended in the purchase of books of permanent value, for the use of the free Public Library of the city, and as far as practicable of such a character as to be of special interest to young men.”

The trustees expressed a preference for books relative to government and political economy.

Invested in City of Boston four and one quarter
per cent bond \$1,000 00

Isabella Stewart Gardner Fund.— Bequest of Isabella Stewart Gardner.

“To the Trustees of the Boston Public Library, for the Brown Musical Library, for a memorial to B. J. Lang.” Received in 1924.

Invested in City of Boston four per cent bonds, \$5,000 00

Morris Gest Fund.— Donation made by Mr. Morris Gest in December, 1925, the gross receipts from a benefit performance for the library of “The Miracle,” \$2,652.50, the income to be used in the interest of dramatic art.

Deposited in Hibernia Savings Bank \$2,652 50

Green Fund.— Donations of Dr. Samuel A. Green of \$2,000, the income of which is to be expended for the purchase of books relating to American history. Received in 1878 and 1884.

Invested in
City of Boston four per cent bond . . . \$500 00
City of Boston three and three quarters per
cent bond 1,000 00
Cash in city treasury, 1930 500 00
\$2,000 00

Charlotte Harris Fund.— Bequest of Charlotte Harris, late of Boston, the object of which is stated in the following extract from her will: “I give to the Charlestown Public Library \$10,000, to be invested of interest, which interest is to be applied to the purchase of books published before 1850. I also give to said Public Library my own private library and the portrait of my grandfather, Richard Devens.” Bequests accepted by City Council, July 31, 1877.

Invested in City of Boston four and one quarter
per cent bond \$10,000 00

Thomas B. Harris Fund.— Bequest of Thomas B. Harris, late of Charlestown, for the benefit of the Charlestown Public Library. Received in 1884.

Invested in City of Boston four per cent bond, \$1,000 00

Alfred Hemenway Fund.— Bequest of Alfred Hemenway. Received in 1928.

Invested in City of Boston four per cent bonds, \$5,000 00

Hyde Fund.—Bequest of Franklin P. Hyde of Boston, to be known as the “Franklin P. Hyde Fund,” the income to be applied to the purchase of books and other library material. Received in 1915.

Invested in

City of Boston four per cent bonds . . .	\$3,600 00
Cash in city treasury, December 31, 1930 . .	32 40
	<u>\$3,632 40</u>

David P. Kimball Fund.—Bequest of David P. Kimball. “I give to the Public Library of the City of Boston, the income to be used for the purchase of books, \$10,000.” Received in 1924.

Invested in

City of Boston three and three quarters per cent bond	\$1,000 00
City of Boston four per cent bonds . . .	8,000 00
City of Boston four and one quarter per cent bond	1,000 00
	<u>\$10,000 00</u>

Louis E. Kirstein Fund.—Donation of \$1,000 made by Mr. Louis E. Kirstein in October, 1925, “to be used for any purpose of the library that the trustees see fit to put it to.”

October, 1925	\$1,000 00
October, 1926	1,000 00
November, 1927	1,000 00
October, 1928	1,000 00
October, 1929	1,000 00

Deposited in Hibernia Savings Bank . . .	<u>\$5,000 00</u>
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Arthur Mason Knapp Fund.—Extract from the will of Katherine Knapp: “To the Trustees of the Public Library of the City of Boston, the sum of ten thousand dollars (\$10,000), to be known as the Arthur Mason Knapp Fund, of which the income only shall be used for the purchase of books for said library. And I hereby request that such books be designated with an appropriate label or inscription, bearing the name of the Fund.” Received in 1914.

Invested in City of Boston four per cent bond, \$10,000 00

Abbott Lawrence Fund.—Bequest of Abbott Lawrence of Boston. Received in 1860. The interest on this fund is to be exclusively appropriated for the purchase of books for the said library having a permanent value.

Invested in City of Boston three and one half per cent bond \$10,000 00

Edward Lawrence Fund.— Bequest of Edward Lawrence of Charlestown. Received in 1886. The following clause from his will explains its purpose:

“To hold and apply the income and so much of the principal as they may choose, to the purchase of special books of reference to be kept and used only at the Charlestown branch of said Public Library.”

Invested in City of Boston four per cent bond, \$500 00

Mrs. John A. Lewis Fund.— Bequest of Elizabeth Lewis, to be known as the Mrs. John A. Lewis Fund: “I give and bequeath to the Boston Public Library the sum of \$5,000 as a fund, the income of which is to be used for the purchase of such old and rare books as shall be fitly selected to augment the collection known as the John A. Lewis Library.” Received in 1903.

Invested in City of Boston four per cent bond, \$5,000 00

Charles Greely Loring Memorial Fund.— Donation from the family of Charles Greely Loring, the income of which is to be expended for the purchase of books for the West End Branch. Received in 1896.

Invested in City of Boston four per cent bond, \$500 00

Charles Mead Fund.— Bequest of Charles Mead, to constitute the Charles Mead Public Library Trust Fund for the promotion of the objects of the Public Library in such manner as the government of said library shall deem best, and so far as the government shall deem consistent with the objects of the library to be used for the benefit of the South Boston Branch Library. Received in 1896.

Invested in City of Boston four and one half per cent bond \$2,500 00

Gardner O. North Fund.— Bequest of Gardner O. North. Received in 1928 \$2,000 00

The Oakland Hall Trust Fund.— By an interlocutory decree of the Probate Court for the County of Suffolk, the amount of \$11,781.44 was received, the same being one half of the net amount received from the disposition of certain property held by the trustees, under an indenture between Amor Hollingsworth, Sumner A. Burt and Amor L. Hollingsworth, all of Milton, Mass., and John H. McKendry, of Boston, Mass., entered into the sixth day of August, 1870. The above amount was accepted by the city, January 2, 1924, and the Trustees of the Public Library voted to invest the same under the name of “The Oakland

Hall Trust Fund," the income to be applied to the purchase of books and other library material for the Mattapan Branch.

Invested in

City of Boston four per cent bonds	\$11,780 00
Cash, December 31, 1930	1 44
	<u>\$11,781 44</u>

John Boyle O'Reilly Fund.— Donation received from the Papyrus Club to establish a fund in memory of John Boyle O'Reilly, late member of said club, the income of said fund to be devoted to the purchase of books for the Boston Public Library. Received in 1897.

Invested in City of Boston four and one quarter per cent bond	<u>\$1,000 00</u>
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Phillips Fund.— Donation made by Jonathan Phillips of Boston, in April, 1853. The interest of this fund is to be used exclusively for the purchase of books for said library.

Invested in City of Boston four per cent bond,	<u>\$10,000 00</u>
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Also a bequest by the same gentleman in his will dated September 20, 1849, the interest on which is to be annually devoted to the maintenance of a free Public Library.

Invested in City of Boston three and one half per cent bond	<u>\$20,000 00</u>
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Both of these items are payable to the Mayor of the city for the time being.

Pierce Fund.— Donation made by Henry L. Pierce, Mayor of the city, November 29, 1873, and accepted by the City Council, December 27, 1873.

Invested in

City of Boston four per cent bonds	\$3,000 00
City of Boston three and one half per cent bond	1,000 00
City of Boston four and one quarter per cent bond	1,000 00
	<u>\$5,000 00</u>

Sarah E. Pratt Fund.— Bequest from Sarah E. Pratt, late of Boston, under the 14th clause of her will, for the benefit of the Dorchester Branch, \$500. Received in January, 1922. Distribution of residue of estate in May, 1924, \$964.30.

Invested in

City of Boston four per cent bond . . .	\$500 00
City of Boston three and three quarters per cent bond	90 00
Cash in city treasury, December, 1930,	904 18

\$1,494 18

Guilford Reed Fund.— Bequest of Helen Leah Reed, as a memorial to Guilford S. Reed, the income to be applied to the purchase of books of nonfiction.

Deposited in Dorchester Savings Bank . . .	<u>\$1,000 00</u>
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John Singer Sargent Fund.— Balance remaining in hands of surviving trustees of fund originally raised to install in the library decorations by John Singer Sargent; the income to be used for the care and preservation of the Sargent decorations, etc.

Deposited in Dorchester Savings Bank . . .	<u>\$3,858 24</u>
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Scholfield Fund.— Bequest of Arthur Scholfield, who died in New York, January 17, 1883. The interest to be paid to certain heirs during their lives, and then to be used for the purchase of books of permanent value. The last heir, Joseph Scholfield, died November 18, 1889, and by his will bequeathed to the City of Boston the sum of \$11,766.67, which represents the income of said fund received by him up to the time of his death, to which was added \$33.33 accrued interest on deposit up to the time of investment, to be added to the fund given by his brother.

Invested in

City of Boston four per cent bond . . .	\$39,800 00
City of Boston four and one quarter per cent bond	14,000 00
City of Boston four and one half per cent bonds	6,000 00
City of Boston three and three-quarters per cent bonds	2,000 00

\$61,800 00

Sewall Fund.— Extract from the will of Richard Black Sewall:

"Tenth.— I bequeath the following pecuniary legacies clear of legacy tax, namely, to the Trustees of the Public Library of the City of Boston \$25,000 (twenty-five thousand dollars) to be added to their funds and the income to be used for the purchase of books." Received in 1918.

Invested in City of Boston four and one quarter per cent bond	<u>\$25,000 00</u>
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Skinner Fund.— Extract from the will of Francis Skinner:

“*Eleventh.*— All my books and library I give and bequeath to my son, to be enjoyed by him during his life and after his death to be distributed as he shall appoint among such public libraries, as he shall judge fit, and in case he makes no such appointment then to the Trustees of the Public Library of the City of Boston.

“*Sixteenth.*— All the rest and residue of my said property of whatever kind, I give and bequeath to Augustus P. Loring and J. Lewis Stackpole in trust to pay the net income to my son Francis Skinner, Jr., during his life, or to apply the same to his maintenance and support, or the maintenance and support of any issue of his, as they shall think best during his life; and at his death to apply the income to the maintenance and support of his issue until his youngest child shall reach the age of 21 years and then to distribute said property among said issue, the issue of a deceased child to take the share a parent would have taken if living.

“If there shall be no issue surviving at the time of my son’s death, then to turn the said property into cash and to divide it equally among the following legatees: The Trustees of the Public Library of the City of Boston, the Museum of Fine Arts of Boston, Massachusetts, the Massachusetts General Hospital, the Medical School of Harvard University, and the Free Hospital for Women, Brookline, Massachusetts.” Received in 1914.

Invested in

City of Boston three and one half per cent bond	\$40,000 00
City of Boston four per cent bonds	10,250 00
City of Boston four and one half per cent bond	200 00
16 shares Worcester Street Railway Company	1,280 00
Cash in City Treasury, December 31, 1930	2 14
	<u>\$51,732 14</u>

South Boston Branch Library Trust Fund.— Donation of a citizen of South Boston, the income of which is to be expended for the benefit of the South Boston Branch Library. Received in 1879.

Invested in City of Boston four and one quarter per cent bond	<u>\$100 00</u>
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Mary Elizabeth Stewart Fund.— Bequest of Mary Elizabeth Stewart of \$3,500 to the Trustees of the Boston Public Library. The trustees voted under date of June 29,

1923, that the income be applied to the purchase of books and other library material.

Invested in City of Boston four per cent bond, \$3,500 00

James Jackson Storrow (Harvard '57) Fund.— Gift of Helen Storrow and Elizabeth Randolph Storrow as a memorial to James Jackson Storrow, Senior; income to be used for the purchase of Italian books.

Deposited in Boston Five Cent Savings Bank . \$10,000 00

Deposited in Dorchester Savings Bank . . . 5,000 00

Deposited in Suffolk Savings Bank . . . 10,000 00

\$25,000 00

Patrick F. Sullivan Bequest.— Extract from will: “I give and bequeath to the Trustees of the Boston Public Library the sum of five thousand dollars, the principal or income of said sum to be expended by them for the purchase of Catholic standard books, said books to be approved by the Archbishop of the diocese of Boston, Mass., or by the President of the Trustees of Boston College, in Boston, Mass.” Received in 1908. This bequest, together with interest amounting to \$339.61, has been expended for books.

Ticknor Bequest.— By the will of George Ticknor of Boston, he gave to the City of Boston, on the death of his wife, all his books and manuscripts in the Spanish and Portuguese languages, about four thousand volumes, and also the sum of \$4,000. After the receipt of said sums the city is required to spend not less than \$1,000 in every five years during the twenty-five years next succeeding (*i. e.*, the income of \$4,000, at the rate of five per cent per annum) in the purchase of books in the Spanish and Portuguese languages and literature. At the end of twenty-five years the income of said sum to be expended annually in the purchase of books of permanent value, either in the Spanish or Portuguese languages, or in such other languages as may be deemed expedient by those having charge of the library. The books bequeathed or purchased are always to be freely accessible for reference or study, but are not to be loaned for use outside of the library building. If these bequests are not accepted by the city, and the trusts and conditions faithfully executed, the books, manuscripts and money are to be given to the President and Fellows of Harvard College. In order that the city might receive the immediate benefit of this contribution, Anna Ticknor, widow of the donor, relinquished her right to retain during her life the books and manuscripts, and placed them under the control of the city, the

City Council having previously accepted the bequests in accordance with the terms and conditions of said will, and the Trustees of the Public Library received said bequests on behalf of the city, and made suitable arrangements for the care and custody of the books and manuscripts. Received in 1871.

Invested in City of Boston four and one half per cent bond	<u>\$4,000 00</u>
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William C. Todd Newspaper Fund.— Donation by William C. Todd, accepted by order of the City Council, approved October 30, 1897, the income to be at least \$2,000 a year, to be expended by the Library Trustees for newspapers of this and other countries.

Invested in	
City of Boston four per cent bond	\$25,000 00
City of Boston three and three quarters per cent bond	25,000 00
	<u>\$50,000 00</u>

Townsend Fund.— Donation from William Minot and William Minot, Jr., executors of the will of Mary P. Townsend of Boston, at whose disposal she left a certain portion of her estate in trust for such charitable and public institutions as they might think meritorious. Said executors accordingly selected the Public Library of the City of Boston as one of such institutions, and attached the following conditions to the legacy: "The income only shall, in each and every year, be expended in the purchase of books for the use of the library; each of which books shall have been published in some one edition at least five years at the time it may be so purchased." Received in 1879.

Invested in City of Boston three and one half per cent bond	<u>\$4,000 00</u>
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Treadwell Fund.— By the will of the late Daniel Treadwell of Cambridge, late Rumford Professor in Harvard College, who died February 27, 1872, he left the residue of his estate, after payment of debts, legacies, etc., in trust to his executors, to hold during the life of his wife for her benefit, and after her decease to divide the residue then remaining in the hands of the trustees, as therein provided, and convey one fifth part thereof to the Trustees of the Public Library of the City of Boston. By order of the City Council, approved May 17, 1872, said bequest was accepted and the Trustees of the Public Library authorized to receive the same and invest it in the City of Boston bonds, income of which is to be expended by said trustees in such manner as they may deem for the best interests of the library.

Invested in

City of Boston four and one half per cent bond	\$1,000 00
City of Boston four and one quarter per cent bonds	3,100 00
City of Boston four per cent bonds	9,850 00
Cash in City Treasury, December 31, 1930, ...	37 69
	<u>\$13,987 69</u>

Tufts Fund.— Bequest of Nathan A. Tufts of Charlestown, to be known as the “Nathan A. Tufts Fund,” the income to be applied at all times to the purchase of books and other additions to the library to be placed in the Charlestown Branch. Received in 1906.

Invested in

City of Boston three and one half per cent bond	\$100 00
City of Boston four per cent bonds	10,000 00
Cash in City Treasury, December 31, 1930	31 77
	<u>\$10,131 77</u>

Twentieth Regiment Memorial Fund.— Donation on account of the Twentieth Regiment Memorial Fund, the income to be used for the purchase of books of a military and patriotic character, to be placed in the alcove appropriated as a memorial to the Twentieth Regiment. Received in 1897.

Invested in City of Boston four and one quarter per cent bond \$5,000 00

Wales Fund.— Extract from the will of George C. Wales:

“After the foregoing bequests I direct that the sum of five thousand dollars be paid to the Trustees of the Public Library of the City of Boston, the same to be held, managed and invested by them, so as to produce an income, and the said income to be applied to the purchase of such books for said Library as they may deem best.” Received in 1918.

Invested in City of Boston four and one quarter per cent bond \$5,000 00

Mehitable C. C. Wilson Fund.— Bequest of Mehitable C. C. Wilson, the income to be expended for the purchase of books for the Boston Public Library. Received in 1913.

Invested in City of Boston four per cent bonds, \$1,000 00

Whitney Funds.— Bequests of James Lyman Whitney, who died September 25, 1910.

Alice Lincoln Whitney Fund.— The twelfth clause of his will directed that: “One-tenth of said remaining income of the principal fund, I direct to be paid to the Trustees of the Public Library of the City of Boston, to be held and accumulated by said Trustees and permanently invested and reinvested. The first five thousand dollars of income so accumulated, including the income thereon arising during the period of accumulation, I request to be funded in the name of my sister, Alice Lincoln Whitney, and the income of said fund after its accumulation or so much of said income as may be required, to be paid to such employees of the said Library, who are sick and in need of help, as the Trustees may in their discretion deem most worthy (there are often such cases). Any amount of income from said accumulated fund not needed for the purpose just mentioned shall be used for the purchase of books and manuscripts.”

Invested in

City of Boston four and one quarter per cent bond	\$1,000 00
City of Boston four per cent bonds	4,000 00
	\$5,000 00

James Lyman Whitney Fund.— “The Alice Lincoln Whitney Fund having been established, all amounts of income of the principle fund paid to said Trustees, after the accumulation of said fund of five thousand dollars shall be held as the James Lyman Whitney Fund, and invested and reinvested and the income used in equal shares, one share for the purchase of rare and expensive books, and one share for the purchase and care of manuscripts; one half at least of the share devoted to manuscripts to be expended for their cataloguing and proper care.”

Invested in

City of Boston four and one half per cent bonds	\$1,200 00
City of Boston four and one quarter per cent bonds	3,700 00
City of Boston four per cent bonds	12,800 00
City of Boston three and three quarter per cent bonds	800 00
Cash in city treasury, December 31, 1930	77 54
	\$18,577 54

In addition to the above Mr. Whitney created a trust, directing that of the net income \$700 a year be paid to

the Trustees of the Public Library of the City of Boston to be expended on bibliographic work for the benefit of the library.

Central Library Building Fund.—Donations in response to an appeal by the trustees in April, 1925, setting forth the needs of the library from—

Percy Lee Atherton	\$25 00
William York Peters	25 00
John T. Spaulding	100 00
Invested in City of Boston four per cent bond,	<u>\$150 00</u>

Donations.—Besides the preceding, the following donations have been made to the Public Library, and the amounts have been appropriated for the purchase of books, according to the intention of the donors, viz.:

J. Ingersoll Bowditch	\$6,800 00
Samuel Appleton, late of Boston	1,000 00
Sally Inman Kast Shepard	1,000 00
James Brown, late of Cambridge	500 00
Andrew Carnegie	980 75
Nathaniel I. Bowditch	200 00
James Nightingale	100 00
Dorchester and Milton Circulating Library, for the benefit of the Dorchester Branch Library,	235 13
	<u>\$10,915 88</u>

RECAPITULATION OF PUBLIC LIBRARY TRUST FUNDS.

Artz Fund	\$10,000 00
Bates Fund	50,000 00
Charles H. L. N. Bernard Fund	2,000 00
Bigelow Fund	1,000 00
Robert Charles Billings Fund	100,000 00
Bowditch Fund	10,000 00
Bradlee Fund	1,000 00
Joseph H. Center Fund	39,908 89
Central Library Building Fund	150 00
Children's Fund	103,117 74
Clement Fund	2,000 00
Henry Sargent Codman Memorial Fund	2,854 41
Cutter Fund	4,270 00
Elizabeth Fund	25,000 00
Daniel Sharp Ford Fund	6,000 00
Franklin Club Fund	1,000 00
<i>Carried forward</i>	<i>\$358,301 04</i>

<i>Brought forward</i>	\$358,301 04
Isabella Stewart Gardner Fund	5,000 00
Morris Gest Fund	2,652 50
Green Fund	2,000 00
Charlotte Harris Fund	10,000 00
Thomas B. Harris Fund	1,000 00
Alfred Hemenway Fund	5,000 00
Hyde Fund	3,632 40
David P. Kimball Fund	10,000 00
Louis E. Kirstein Fund	5,000 00
Arthur Mason Knapp Fund	10,000 00
Abbott Lawrence Fund	10,000 00
Edward Lawrence Fund	500 00
Mrs. John A. Lewis Fund	5,000 00
Charles Greely Loring Memorial Fund	500 00
Charles Mead Fund	2,500 00
Gardner O. North Fund	2,000 00
The Oakland Hall Trust Fund	11,781 44
John Boyle O'Reilly Fund ;	1,000 00
Phillips Fund	30,000 00
Pierce Fund	5,000 00
Sarah E. Pratt Fund	1,494 18
Guilford Reed Fund	1,000 00
John Singer Sargent Fund	3,858 24
Scholfield Fund	61,800 00
Sewall Fund	25,000 00
Skinner Fund	51,732 14
South Boston Branch Library Trust Fund	100 00
Mary Elizabeth Stewart Fund	3,500 00
James Jackson Storrow (Harvard '57) Fund	25,000 00
Ticknor Fund	4,000 00
William C. Todd Newspaper Fund	50,000 00
Townsend Fund	4,000 00
Treadwell Fund	13,987 69
Nathan A. Tufts Fund	10,131 77
Twentieth Regiment Memorial Fund	5,000 00
Wales Fund	5,000 00
Alice Lincoln Whitney Fund	5,000 00
James Lyman Whitney Fund	18,577 54
Mehitable C. C. Wilson Fund	1,000 00
	\$771,048 94

CONCLUSION.

The Board of Trustees would call attention to the interesting and detailed Report of the Director, which follows. It is an encouraging account of the work of the Library Department during the year, and is worthy of study.

We record our satisfaction and appreciation of the spirit of cooperation which prevails throughout the system between director and the entire library staff. We also have pleasure in commending the efficient work in the interest of the public of all the library employees.

FRANK W. BUXTON.

GORDON ABBOTT.

ARTHUR T. CONNELLY.

LOUIS E. KIRSTEIN.

ELLERY SEDGWICK.

FINANCIAL STATEMENT.

EXPENDITURES.

Central Library and Branches:

To expenditures for:

Permanent employees (exclusive of printing and binding employees) . . . \$619,953 43

Temporary employees . . . 117,846 67

\$737,800 10

Service other than personal:

Printing and binding . . . \$28 55

Advertising . . . 67 50

Transportation of persons . . . 1,371 36

Cartage and freight . . . 8,645 76

Light and power . . . 17,899 20

Rent, taxes and water . . . 21,610 00

Surety bond and insurance . . . 462 43

Communication . . . 3,270 66

Cleaning . . . 1,598 85

Removal of ashes . . . 47 00

Removal of snow . . . 254 95

Medical . . . 25 00

Expert . . . 2,750 91

Fees . . . 75 00

Photographic and blueprinting . . . 261 51

General plant . . . 23,465 39

81,834 07

To expenditure for equipment:

Machinery . . . \$2,923 66

Motorless vehicles . . . 354 50

Furniture and fittings . . . 10,454 33

Educational and recreational, . . . 195 00

Office . . . 1,799 18

Books:

City appropriation . \$154,807 48

Trust funds income (including transfer to (London account) . 29,875 84

184,683 32

Carried forward . . . \$200,409 99 \$819,634 17

<i>Brought forward</i>		\$200,409 99	\$819,634 17
Newspapers:			
City appropriation	\$1,024 03		
Trust funds income	1,799 91		
		2,823 94	
Periodicals (city)		6,988 59	
Photographs:			
Trust funds income	\$49 50		
City appropriation	93 98		
		143 48	
Lantern slides:			
City appropriation	\$166 70		
Trust funds income	50 00		
		216 70	
Music:			
City appropriation	\$638 54		
Trust funds income	690 96		
		1,329 50	
Tools and instruments		826 34	
General plant		2,678 09	
			215,416 63
To expenditures for supplies:			
Office		\$9,561 71	
Food and ice		775 69	
Fuel		20,079 76	
Forage and animal		30 55	
Medical		37 78	
Laundry, cleaning, toilet		2,263 27	
Agricultural		762 00	
Chemicals and disinfectants		199 68	
General plant		2,522 53	
			36,232 97
To expenditures for material:			
Building		\$8,339 86	
Electrical		3,111 38	
General plant		1,024 04	
			12,475 28
<i>Carried forward</i>			\$1,083,759 05

<i>Brought forward</i>		\$1,083,759 05	
To special item:			
Pension	\$834 74		
J. L. Whitney bibliographic account	180 00		
<i>Brought forward</i>			
A. L. Whitney, sick benefit	150 00		
		1,164 74	
To Binding Department:			
Salaries	\$57,339 98		
Transportation of persons	1 00		
Light	54 84		
Repairs	109 15		
Equipment	128 84		
Supplies	11 10		
Stock	6,929 13		
		64,574 04	
To Printing Department:			
Salaries	\$14,390 33		
Transportation of persons	3 05		
Light	36 56		
Communication	3 31		
Repairs and material	64 39		
Equipment	483 31		
Supplies	52 56		
Stock	4,290 51		
Outside work	213 77		
		19,537 79	
To special appropriation:			
Branch libraries, establishment of		31,570 65	
Central Library Building, fireproofing, improvements, etc.		138,522 17	
Central Library Building, foundation, improvements, etc.		67,869 29	
To amount paid into city treasury:			
Fines	\$21,520 22		
Sales of catalogues, bulletins	171 97		
Commission on telephone stations	604 45		
Payments for lost books	1,266 55		
Interest on bank deposit	55 82		
Refund	36 88		
Sales of waste paper	90 85		
		23,746 74	
To balance, December 31, 1930:			
Trust funds income on deposit in London	\$3,896 34		
<i>Carried forward</i>	\$3,896 34	\$1,430,744 47	

<i>Brought forward</i>	\$3,896 34	\$1,430,744 47
City appropriation on deposit in London	2,647 49	
Trust funds income, city treasury	39,156 04	
James L. Whitney biblio- graphic account	9,058 33	
		54,758 20
To balance unexpended:		
General appropriation	\$40,623 94	
Central Library Building, fire- proofing	26,786 15	
Central Library Building, foundation	534 92	
Branch libraries, establish- ment of	108,429 35	
		176,374 36
		<u>\$1,661,877 03</u>

RECEIPTS.

By city appropriation 1930	\$1,173,144 00	
Income from trust funds	27,245 40	
Income from James L. Whitney bibliographic account	700 00	
Interest on deposit in London	40 62	
Transfer from domestic funds to London account	15,000 00	
Special appropriation, fireproof- ing, improvements, etc.	70,000 00	
Special appropriation, founda- tion, improvements, etc.	68,404 21	
Special appropriation, branch libraries, establishment of	140,000 00	
		\$1,494,534 23
By balances brought forward from 1929:		
Trust funds income, city treasury, ...	\$37,652 85	
Trust funds income on deposit in London	770 34	
City appropriation on deposit in London	1,326 22	
James L. Whitney bibliographic account	8,538 33	
Special appropriation, fireproof- ing, improvements, etc.	95,308 32	
		143,596 06
<i>Carried forward</i>		\$1,638,130 29

<i>Brought forward</i>		\$1,638,130 29
By receipts:		
From fines	\$21,520 22	
Sales of catalogues, bulletins and lists	171 97	
Commission on telephone sta- tions	604 45	
Payments for lost books . . .	1,266 55	
Interest on bank deposit . . .	55 82	
Refund	36 88	
Sales of waste paper	90 85	
		23,746 74
		<u>\$1,661,877 03</u>

REPORT OF THE EXAMINING COMMITTEE.

To the Trustees of the Public Library of the City of Boston.

GENTLEMEN,— The Examining Committee appointed by you herewith submits its report. As usual subcommittees were appointed and these subcommittees have investigated quite thoroughly and reported in detail their findings. This report of the main committee has largely adopted their recommendations.

PERSONNEL.

The uniform opinion of the visitors is that in general the personnel is capable, devoted and hard working, and from its personnel the best value of a library is obtained. Especially is its care of the children to be commended. The opinion, however, cannot be escaped that the library does not and cannot draw from the best material for its personnel as long as the salaries have to remain as they are, not relatively, we believe, as high as the standing of this great library should be, and as long as there is no classification for the service whereby an employee can see just what is ahead without the casual advancement as at present, there is not the necessary incentive to attract the best quality of library workers.

This committee therefore recommends as one of the most important of its findings that a survey be made by the trustees in this question of classification and salaries.

ADMINISTRATION, BUILDING AND EQUIPMENT.

In recent years a great improvement has been made in the physical condition of the library; the Treasure Room, the new Music Room and the new North Gallery show what can be done with a reasonable amount of money. It appears obvious to us that somewhat similar changes should be undertaken in the Fine Arts Gallery and in the Technical Division. These changes would provide more space for books and would decrease the fire risk. The storerooms in the basement for periodicals and bound newspapers should have steel shelving, and

the lighting system in the annex should be improved as has been so successfully done in the Central Library stacks.

The members of the committee are unanimous in expressing the need of acquiring more space for the work of the library. This because of the already crowded conditions in some sections of the building and with normal future growth in mind.

There is urgent need of bettering conditions in the Photographic and West Room of the Art Department. At present the primitive, white-painted, wooden cases in the West Gallery are entirely too crowded and take up too much space. Large folio volumes are piled, one upon another, six, seven and eight deep, making access to the volumes extremely difficult. The wooden cases themselves are antiquated, and present a sorry appearance for an art department. The splendid improvements made in the North Gallery of the Art Department (which formerly was in the same condition as the West Gallery now is) show what can be accomplished in beauty of effect and economy of space by renovation work. The committee strongly recommends that the renovation of this West Gallery be undertaken as soon as possible.

There is need of a mezzanine floor for the east wall of the floor in the main building devoted to the service of the branches.

The flooring of the Newspaper Room and Exhibition Room needs renovating.

An important and desirable improvement is suggested in the removal of the Catalogue and Order Departments and the use of their present quarters as Children's and Teachers' Rooms. This suggested change brings us back to our first recommendation, viz., the need of acquiring more space for the future work of the library, for at present there is no space available for the Catalogue and Order Departments other than that which they are using.

The use of a library is confined to the books it can supply and it was found that with the great number of branches there were often many titles of which there were too few copies. We are aware that the city has increased the amount available for the purchase of books very considerable, but we urge that the appropriation for books be as recommended by the trustees.

BOOKS AND CATALOGUES.

In buying books the question at once arises of the proper division of the available funds between temporarily popular books and those of more permanent value. No hard and fast rule can be laid down. Both kinds must be bought. We approve the policy now followed, of endeavoring, in so far as is reasonable, to buy books of not merely ephemeral interest, thus increasing the lasting value of the library. As was said in our report last year, the library possesses one of the most notable collections in the country of works of a scholarly type, is largely used for purposes of study and research and must not be allowed to fall behind in the extent and character of its resources. Gifts and bequests for the purchase of works of importance are of great use, and persons of wealth may here find a fruitful field for benefactions which would directly and indirectly contribute much to the higher interests of the community. This brings us again to the suggestion made last year of increasing if possible the endowment of the library by means of an association of subscribers of say five or ten dollars annually, as is done by the Museum of Fine Arts and the Symphony Orchestra. Such subscribers might receive the various publications of the library showing new acquisitions and in this way, while the amount of money received for some time would be inconsiderable, yet it would arouse an interest in the affairs of so valuable a part of the city's life which at present is wholly unknown to a large circle of its citizens and might lead to valuable benefactions.

We commend some such plan to the attention of the trustees, with the addition of giving wider publicity to the valuable and interesting contents of the Treasure room.

We do not comment on the subject of missing books as the trustees are already deeply concerned with this problem.

PRINTING AND BINDING.

We would report that the output of the Printing Department is most commendable, but it is recommended that such additional employees be given this department as may be necessary to meet the needs of the Cataloguing Department. The work of the Binding

Department appears to be substantially and well done. A new oversewing machine should however be added to carry forward much needed binding. Both departments were in good order and in full activity.

CHILDREN'S DEPARTMENT AND WORK WITH SCHOOLS.

The sub-committee on Work with Children is somewhat concerned with the over-crowding of children's quarters in some of the branch libraries. This is apparent in the following-named branch libraries. Jeffries Point, Neponset, South Boston, Codman Square, Lower Mills, Roslindale.

The first three mentioned probably will be cared for in the building program which has been suggested for these three sections. The libraries mentioned in the second column can be helped by the enlargement of the quarters. At Codman Square there is land sufficient for an addition. Roslindale might be cared for by an addition at the back of the building or by taking a section of the very large assembly hall.

The committee respectfully recommends to the trustees that baby clinics, court sessions, and any other organizations which interfere with the children's work be removed from library quarters.

The cooperation between the library and the schools is an important factor. For example, the library provides collections of books for class use in the schools. Just how this work can be developed in a satisfactory manner to both institutions is important. The committee, therefore, respectfully recommends that a permanent cooperating committee be appointed. This committee might number six members, to include three from the library staff and three from the schools. The supervisor of children's work would be the logical chairman. The three school members could well include an assistant superintendent, a representative from the high schools, and one from the intermediate or elementary schools.

SPECIAL LIBRARIES.

We would suggest that some method of keeping the dust out of the Music Room should be studied and installed as it is quite a nuisance in this particular room. There is also need of lighting the card catalogue better.

In the Barton-Ticknor Room the outstanding ne-

cessity is greater care in the preservation of valuable volumes there housed. Humidifiers may be necessary here, and as a partial remedy for past neglect, some expert should be employed to oil the bindings.

In the Treasure Room, humidifiers also would be an improvement.

The recent improvement has been so extraordinary that it makes it all the more necessary that the remainder of this floor, containing the special libraries of architecture, art, etc., be improved. The work in these departments will not be nearly as expensive as that which has already been done in the others, but it will enlarge the capacity of them and will make the work therein very much easier. Serious problems will be involved in carrying the extra load of books, but these undoubtedly can be worked out by the architect.

We recommend carrying out the improvement in the remainder of this floor as rapidly as possible consistent with the appropriation which can be obtained for that purpose, though it is realized that there are other absolutely pressing expenditures which must be made first.

STATISTICAL DEPARTMENT.

This department is rather poorly located, being somewhat difficult to reach, and is struggling under a considerable handicap in that many books which ought to be a part of the Statistical Department files are housed in other parts of the library. This department possesses a large and extensive collection of documents and should rank as one of the most important sections of the whole library.

We should like the suggestion considered that the name of this section be changed from Statistical Department to Social Science Collection, or some equivalent name, and its formal elevation to the position of a special library.

The recent needs of this department have been fairly well taken care of by last year's budget, and requests for further improvement are distinctly moderate and are approved by us.

These suggestions include improving the light and refinishing of the reading room, the addition of a library-trained woman to help on the work of filling in gaps in the documentary files, and an increase in the book purchase fund from \$1,200 to \$2,500.

When it is considered that it would probably be easy to keep busy a staff of eight people and that they have five, the addition of one trained worker seems a very moderate request and ought to be granted.

It is hoped that when the projected annex is built, this department will be allowed sufficient space convenient to the public and commensurate with its important field.

BRANCHES.

As its major recommendation in regard to the branches, the committee agrees with what your president recently said before the City Council, and it would say that the number of branches should not be further increased, except as their increase may appear especially necessary, until adequate provision has been made for the branches now existent. The following criticisms will show how much there is that should be done in this direction.

The branches may be divided into three classes, First, those in which the conditions are satisfactory or for which provision is made already for their improvement. Second, those where the condition is moderately good. Third, those in which the condition is distinctly unfortunate.

Those where the conditions appear to the committee satisfactory are: Allston, West Roxbury, Hyde Park, Uphams Corner, Jamaica Plain, Mt. Pleasant, East Boston, Mattapan and Parker Hill. The two latter on account of the new buildings they are soon to enjoy. East Boston also comes into this category, although there is need of another assistant, true also of several other branches.

In the second group where the difficulties are not very serious, we find:

Brighton.—Improvement of the grounds around the building is suggested, and there is need for better lighting and for additional space for the storage of books.

Andrew Square.—A second entrance and exit is desirable even at the expense of relocating the desk of one of the attendants. The present single entrance and exit appears to have been established in order to secure better control over book losses.

Fellows Athenaeum.—The night lighting of streets

approaching the branch is inadequate and effort should be made to induce the city authorities to improve this situation.

Mt. Bowdoin.— Linoleum floor covering would be the means of decreasing materially one of the bad features of this branch, namely, the noise of children stamping through the rooms. There is also need of a more adequate rest room for the library staff.

South End.— This branch suffers from poor ventilation; and it is also somewhat afflicted by loafers who flock to the municipal building in which the library is located.

Tyler Street.— The lights are in need of attention inasmuch as they give an unpleasant glare to users of the building, and there is adequate reason for increasing the size and improving the equipment of the staff room.

West End.— Rearrangement of the desks of the staff is suggested for both the downstairs and the gallery to the end of securing better control of adults and children who make use of this branch. The interior of the building also needs renovation in the line of painting and whitewashing.

Kirstein.— Some changes in the lighting arrangements appear desirable even in the case of this new institution. Moreover, attention should be called to the possibility that soon there may be need of moving this branch to another location. Increased demands upon the Business Branch, now located in the same building, may require turning over the whole three floors to this latter institution.

Orient Heights.— A fence, ornamental in character, to protect the hedge in front of the building is needed, and, more important, a more adequate separation of the two sections of the floor allotted to children and adults respectively.

Charlestown.— Complaints are made of the insufficiency of the heat supplied — which seems a fairly serious difficulty. We would suggest, also, the advantage of exchanging the space given to adults and to children, so that the adults would have the ground and the children the upper floor.

This disposes of nineteen branches where the findings are relatively satisfactory.

Of the thirteen remaining branches, two, City Point

and Boylston, appear to be poorly located geographically. City Point might be further away from South Boston, and Boylston seems to be especially well located to attract loafers.

The branches that appear seriously overcrowded are Faneuil, South Boston, Dorchester, Memorial, Codman Square, Lower Mills, Roxbury Crossing, Jeffries Point and North End. Details of this situation will be found in the findings of the individual members of the committee.

The branches where the children overrun the rooms to the detriment of reading adults are South Boston, City Point, Neponset and Codman Square and, as last year, the committee finds this a most undesirable situation.

In three branches, Codman Square, Dorchester and Memorial, activities foreign to the library work are very harmful. In the first two, baby clinics interfere seriously, and in the third, inroads of children prevent a general usefulness of this branch.

At Tyler Street, Roslindale, City Point and South End there are difficulties which arise from the other occupants of the building.

The committee suggests that it would bring more clearly into agreement with the general public's understanding of the situation if the confusion of names between the Business Branch and the Kirstein Branch were the former called the City Hall Avenue Branch and the latter the Kirstein Business Branch.

Vigorous action is recommended in an attempt to secure removal of competing activities as soon as possible and the transference of libraries out of all municipal buildings.

Adopted as the Report of the Examining Committee, February 18, 1931.

REPORT OF THE DIRECTOR.

To the Board of Trustees.

I respectfully submit my report for the year ending December 31, 1930.

The past year was one of growth and progress in every department of the library. Among the high lights of the year was the opening of the new Kirstein Memorial Library at 20 City Hall avenue, housing on the first two floors a business library and on the third floor a general library for adults. The building and its equipment, the gift of Mr. Louis E. Kirstein, in memory of his father, has proven admirable in all respects. The use of the library has exceeded all expectations. The total number of persons making use of the building from the date of its opening on May 7 to December 31 was 114,629, being an average of 636 persons each day. The daily average attendance in the Business Branch was 438; in the general branch 198. The library is not open evenings, Saturday afternoons or Sundays.

Two new branch buildings, one in the Parker Hill district, Cram and Ferguson, architects, the other in the Mattapan district, Putnam and Cox, architects, are in process of erection and will be open to the public in the spring, replacing wholly inadequate rented quarters.

The reconstruction of the Music Room and the Treasure Room was completed early in the year. Both rooms have attracted much favorable comment. For the first time the Music Collection is adequately housed, and for the first time in the history of the library there is a room suitable for the exhibition from time to time of the many outstanding treasures of the library. It is desirable that an appropriation be made in the near future whereby the rest of the third floor of the main library may be similarly remodeled, both for the accommodation of readers and for the enlargement of book space.

Fire doors, partitions, and other minor alterations have added to the elimination of fire hazards. New marble floors were laid in the main lobby and through the back hall of the Central Building. The

usual work connected with painting, carpentry, and masonry has been carried on throughout the library system.

The circulation of books shows a steady increase. The gain over last year has been 203,391, making the total number of books issued for home use 4,133,459. On the last day of the year there were 160,201 cardholders, 6,221 more than the year before. Many unemployed persons who had not made use of the library for several years renewed their cards. Not only has the economic situation acted as a stimulus for the use of the library in the adult departments, but also in the children's rooms. This was indicated by a larger number of children's books drawn for home use, by an increase of young people in the library's rooms both for study and reading, and by a greater attendance at the story hours carried on throughout the system.

The Reference Department of the Central Library has successfully handled the usual personal inquiries made at the desk and an unusually large number of telephone calls. It has answered over five hundred letters on a great diversity of subjects. Inquiries have come from forty-three states as well as many foreign countries. The tercentenary observance brought a large number of visitors, of whom many sought information on Boston history and genealogy. The call for reference books on these subjects was unusually heavy, especially during the tourist season. The library has maintained outstanding exhibits since the early summer relating to the tercentenary. It has published a scholarly description of the main exhibits, and a pamphlet consisting of 166 pages entitled "The Massachusetts Bay Colony and Boston; a selected list of books in the Boston Public Library," the first considerable venture in the bibliography of the city.

During the year the library has had the privilege of conducting a series of ten-minute weekly book talks over station WNAC. The talks form a part of the Wednesday afternoon "Women's Federation Hour." The lecture activities of the library have resulted in capacity audiences at most of its entertainments. One hundred and thirty free public lectures and concerts have been offered to the public in the Central Library Lecture Hall during the year. As in the past, these lectures and concerts are given without expense to the library. Of the thirty-three concerts given in the

Hall, four were given by the London String Quartet through the generosity of Mrs. Elizabeth Sprague Coolidge. In addition to the four concerts at the Central Library, Mrs. Coolidge extended her gift to two of the branch libraries, in each of which the London String Quartet gave the same series of concerts. It is a satisfaction to state that Mrs. Coolidge will again offer in the spring a series of quartet concerts in the Central and branch libraries of the system. The lectures upon the Boston Symphony Concerts conducted by the Extension Division of the State Board of Education in cooperation with the Music Division of the library continued to be well attended, and have done no little in developing the music taste of those interested.

In addition to the need of more books, appropriations should allow for the natural growth of a live institution. There is need for more trained employees both in the Central Library and in the branches. Provision must soon be made for a reclassification of employees and for a reasonable increase in salaries of certain classes of them.

The activities of the various departments may be summarized as follows:

ACCESSIONS AND GIFTS.

The total number of volumes added to the library collections in 1930 was 118,527 compared with 112,346 volumes added in 1929. The volumes were acquired as follows: 97,832 by purchase, 18,877 by gift, 82 by exchange, 1,345 by binding of periodicals, 232 by binding of serials, and 159 by binding of newspapers. Material other than books, lantern slides, photographs, prints, phonographic records, etc., numbered 24,070 pieces, of which 1,663 were by purchase, and 22,407 by gift. The total number of volumes and pieces was 142,597.

Of the 118,527 volumes added 35,766 were placed in the Central Library and the Business Branch, and 82,761 in the branch libraries and in the branch deposit collection in the Central Library. The latter serves as a reservoir for the branches.

The total amount expended for purchase of books was \$181,588.70, of which \$159,999.93 was taken from city appropriations and \$21,588.77 from the income

of trust funds. The corresponding amount for the preceding year was \$192,033.98, including \$49,823.04 paid from the trust funds income.

The city appropriation for books and library material was \$160,000 compared with \$140,000 the year previous. All but seven cents of this amount was expended.

Of the \$159,999.93 expended from the city appropriation \$43,303.67 was for the Central Library (including \$9,523.47 for the Business Branch) and \$116,696.26 for the branches. Of the \$21,588.77 expended from the trust funds income, \$20,662.59 was for the Central Library and \$926.18 was for the branches.

The installation of a new accounting system in the Ordering Department, which was put in operation on January 1, 1930, has had satisfactory results. Approximate figures of expenditures, which are essential as a guide in making further expenditures, have been constantly and immediately available instead of being unavoidably delayed because of compilation in other departments as was formerly the case. Furthermore, the system has supplied certain figures never before available. It is now possible to tell at any time just how much has been spent from the book appropriation for each of twenty-eight divisions or departments of the Central Library, for books, periodicals on subscription, periodical back numbers, newspaper subscriptions, and miscellaneous items, and how many items have been acquired. For each of the thirty-three branches and for the deposit collection, one can learn the number of items and amounts spent under the headings: Adult English fiction, English nonfiction, foreign books, juvenile fiction, juvenile nonfiction, periodicals on subscription, periodical back numbers, newspapers, and miscellaneous. This information is obtainable regarding both purchases from city appropriations and those from trust funds.

The average cost per volume for books bought with city appropriations in 1930 was \$1.53 compared with \$1.51 in 1929. The increase was in nonfiction since there was a decrease of one cent in the average price per copy of fiction. The two cents increase in nonfiction can only be accounted for by the ordering of books of higher price since the price level of books decreased rather than increased during the period.

The outstanding purchase of the year was that of the

principal portion of the Franciscan library of the late Paul Sabatier, the French scholar, biographer, and lifelong student of St. Francis of Assisi. The library was bought in France from the widow of M. Sabatier. It was shipped from Marseilles in twenty-four large cases and was received in perfect condition. It consists of 2,396 volumes, including a number of incunabula. The Sabatier Library was located with collections in the North Gallery and forms a notable addition to the scholarly resources of the library.

As always, the library has depended upon the trust funds for the purchase of the unusual and rare books. The following is a list of notable items selected from the purchases of 1930:

Badger, George Percy. An English-Arabic lexicon, in which the equivalents for English words and idiomatic sentences are rendered into colloquial Arabic. London. 1881.

Connett, Eugene V., 3d, editor. Upland game bird shooting in America, by David Wagstaff, Arthur B. Lapsley, etc. Introduction by Col. Lewis S. Thompson. Illustrated by Lynn Bogue Hunt, William H. Schaldach and others. New York. 1930.

Dial, The. An occasional publication. Edited by C. S. Ricketts and C. H. Shannon. Nos. 1-5. 1889-97. (London.) 5 volumes. Plates. (Bound with the original covers. A complete file.)

Eckardt, Andreas. A history of Korean art. London. 1929.

Fournier, Pierre Simon. Fournier on typefounding. The text of the "Manuel typographique" (1764-66) translated into English and edited with notes by Harry Carter. London. 1930.

Gardilanne, Gratiane de, and Elizabeth Whitney Moffat. Les costumes regionaux de la France; deux cents aquarelles avec un text historique par Henry Rovffre. 4 volumes. New York. 1929-30. Colored plates in portfolios. (No. 78 of an edition of 500 copies.)

Gillespie, George. Wholesome severity reconciled with Christian liberty. Or, the true resolution of a present controverisie concerning liberty of conscience . . . London. 1645.

Kenyon, Sir Frederic George. Ancient books and modern discoveries. Chicago. 1927. 30 facsimiles. (One of an edition of 350 copies.)

Manuscripts. A certificate of appointment issued by the Emperor Kang Hsi in the sixty-first year, eleventh month and twentieth day of the dynasty. Issued at the Court at Peking, China. 1723 A. D. A scroll, silk on paper, in the Manchu

and Chinese languages. Twenty pieces of manuscript relating to the history of Reading, Mass., from the collection of William C. Eaton of Wakefield, Mass. Various dates, 1701-89. A two-page letter of Richard Gridley, engineer at Louisburg in 1745 and at Bunker's hill, concerning the fortifications of the harbor and the mainland of Boston and particularly Castle William. Holograph letter signed with initials. Boston, December 9, 1776. Addressed to General Washington.

Munsell Color Company. Munsell book of color, defining, explaining and illustrating the fundamental characteristics of color. Baltimore. 1929.

Orsbridge, Philip. Views illustrating the siege of Havana, 1762. Drawn on the spot. Plates 1-3. (London. 176-?) 3 plates. Completes the set of 12 plates.

Pennell, Joseph. Catalogue of the etchings of Joseph Pennell. Compiled by Louis A. Wuerth. With an introduction by Elizabeth Robins Pennell. Boston. 1928. Plates. (No. 11 of an edition of 465 copies.)

Riviere, Henri Laurent. La ceramique dans l'art d'extreme orient. Colored plates. 2 volumes. Paris. 1921.

Royal Primer, The, or, An Easy Guide to the Art of Reading. Authorized by His Majesty King George II to be used throughout his Majesty's Dominions. Adorned with cuts. Boston. 1770.

Symonds, R. W. English furniture from Charles II to George II. London. 1929. Plates.

Tiepolo, Giovanni Battista. The drawings of G. B. Tiepolo. Edited by Detley Baron von Hadeln. Paris. 2 volumes. Portraits. Plates.

Union Theological Seminary in the City of New York. Catalogue of the McAlpin collection of British history and theology. A list of 15,000 full titles . . . 5 volumes. New York. 1929. (One of an edition of 750 sets.)

Weddell, Alexander Wilbourne, editor. A memorial volume of Virginia historical portraiture, 1585-1830. With an introduction by Ellen Glasgow and a review of early American portraiture by Thomas B. Clarke. Richmond. 1930.

Through the will of a Bostonian, Mr. Walter Updike Lewisson, who died last October, the Boston Public Library came into the possession of a large collection of Washingtoniana. The collection comprises 5,964 items: books, pamphlets, broadsides, old newspapers, and clippings. While the material is of unequal value, it is safe to state that at least 600 items of the collection have a distinct bibliographical and a correspondingly high monetary value. The collection has been located in an alcove in the North Gallery. The bequest, in memory of her husband, by Mrs. George E. Richards

of 1,294 books on horticulture, travel, history, and biography is likewise interesting, as is also the gift of 369 volumes in general literature by Dr. Edward C. Streeter. The bequest of \$2,000 from Charles H. L. N. Bernard, establishing a fund, the income of which is to be expended for books, was also most welcome.

Apart from the above bequests and gifts the year was notable for a large number of gifts from individuals, of which a list of the more important items may be found on page 78 of the appendix.

The need for an increased appropriation for the purchase of a larger number of copies of certain books is still outstanding. The book asked for by an inquirer is very frequently out, not only in the Central Library but in the several branches. The library is able to purchase only one or two copies of a title of most of its volumes on nonfiction, while the number of copies of a title of fiction, even of the best, is still wholly inadequate to meet the legitimate demands of the library patrons.

CATALOGUE AND SHELF DEPARTMENT.

During 1930 the number of volumes and parts of volumes catalogued was 131,644, covering 103,882 titles. Of these 45,325 volumes (27,755 titles) were taken care of in the Catalogue Department and 86,319 volumes (76,127 titles) were assigned to the branch libraries and catalogued in the Central Branch Department.

Of the books catalogued in the Catalogue Department 30,108 volumes and parts (21,508 titles) were new to the Central Library; the number of serials added was 6,004; and 9,213 volumes and parts (6,247 titles) were recatalogued, thus making the total quoted above.

The number of printed cards added to the catalogues of the Central Library alone was 67,165, distributed as follows: 23,786 were filed in Bates Hall Catalogue, 27,731 in the Official Catalogue, and 15,648 in the Special Libraries Department. In addition 24,432 new printed cards were used for compiling bibliographies, or, for the larger part, set aside for such use in the future; from this number cards were also sent as usual to the Library of Congress. The total of new printed cards, thus, was 91,597.

In order to hasten the appearance of new books in the catalogues, 22,100 temporary cards have been typed and

filed by the Card Division to be replaced later by printed cards. As a result of this practice titles of recent accessions have been in the catalogues as soon as the books have been placed on the shelves.

For the use of the editor in making up the list of new books in "More Books" 7,669 cards have been typed. To replace old cards the division typed and filed, besides, 2,662 other cards. Corrections were made and new editions were indicated on 47,799 cards, a larger number than has ever been done before.

In addition to the above 67,974 printed cards and 8,682 typed cards were added in the Branch Catalogues.

The number of requests for photostats of books, plates, maps and manuscripts was slightly larger than last year. Most of the work was done by the Boston Photocopy Print Company and the rest at Harvard, the Massachusetts Department of Archives, and the Massachusetts Historical Society.

The work of the Shelf Division has progressed satisfactorily. During the first part of the year the music collections were moved into the new Music Room, and the fine arts and technology collections were relocated in the east, west and south galleries. For the reclassification of the map collection a schedule has been prepared by the chief classifier under whose supervision the work has been begun in the Barton-Ticknor Division.

REGISTRATION DEPARTMENT.

On January 1, 1930, there were 153,980 "live" cards, *i. e.*, cards available for present use in the hands of residents, entitling them to borrow books for home use. Through the Central Library and its thirty-three branches there have been added 32,373 new registrations and 50,832 renewals, making a total of 83,205 cards added during the year. There have been 76,984 borrowers who have allowed their home use privilege to lapse. Thus the total number of "live" cards on December 31, 1930, was 160,201, a gain of 6,221 over last year. The gain in the number of card holders in the year previous was 5,309.

Of the above, 827 new registrations (mostly business cards) and 279 renewals came through the Business Branch, and through the Kirstein Branch 276 new registrations and 312 renewals.

Prior to January 1, 1930, there had been issued to teachers 11,355 cards. Of these, 1,694 were renewed during the year and remain alive and 352 were added, thus giving a total of 2,046 teachers' cards as against 1,932 in the year 1929. Of the 4,493 special privilege cards hitherto issued, 459 have been renewed during the year while 231 new cards have been granted, making a total of 690 special privilege cards in use as compared with 573 in 1929.

ISSUE DEPARTMENT.

The number of books issued during the year for home use from the Central Library direct to readers was 334,320, an increase of 2,364 from last year. Through the branches 87,347 books were issued to readers. Those, however, were chiefly taken from the Branch Deposit Collection and are accounted for in the report of the branches.

The average daily circulation — not including the books which went through the branches — was 984. The largest circulation on a single day, February 21, was 1,577. The number of works of fiction was 151,170. Between June 1 and October 15, for summer reading, 1,193 books were issued for an extended period.

To hasten the delivery of books to readers in Bates Hall the attendants have been instructed to mark the time on the slips when received as well as the time when the book was delivered. Because every effort has been made to quicken service, the complaints in this respect have been reduced to a very small number.

A considerable amount of miscellaneous work has been done by assistants in the stacks. In all 72,225 books were relabeled, 2,709 volumes were repaired, 2,442 book covers were shellacked, 1,275 Central and 5,132 deposit books were collated.

To recover the books which were over-detained, 40,056 mail notices and 4,649 messenger notices were sent out. The fines collected for these delays amounted to \$4,488.15. For 127 lost and fifteen damaged books \$261.31 were paid to the library.

This department handles also the articles lost and found in the building: 1,324 articles were found, of which 692 were returned to the owners. Sums of money amounting to \$36.25 found in the library were likewise returned to the owners.

BATES HALL.

During the year 274,745 books from the stacks were used in Bates Hall, which was 1,480 more than in 1929. These figures do not represent all the books used in the hall, as there are no means of recording the use of reference books taken from open shelves. During the academic season the hall is usually crowded. The maximum attendance at a given hour was on February 23, when 319 persons were recorded at five o'clock in the afternoon.

The reference collection was entirely revised, and in many subjects the old books were replaced by newer ones. In addition the collection was renumbered and the outworn volumes were rebound.

Books from the stacks are obtained now in considerably shorter time than before. Unfortunately there are still many "crossed slips" due probably to careless reshelving.

The Division of Genealogy and Heraldry has completed its fourth year of service. The concentration of town histories and other genealogical works, together with the complete file of Massachusetts vital records and as many of the same of Maine and Connecticut as published, has proved very helpful to the public. The usual number of letters has been received, totaling 183. There have been numerous requests for coats of arms, for which pencil drawings have been supplied, often made from descriptions, by the division.

PUBLICATIONS.

"More Books," the bulletin of the library, has completed its fifth year under this title. Ten issues were published in 1930.

In all, the bulletin comprised 528 pages, seventy-two pages more than in 1929. Of each issue 4,000 copies were printed, of which about 750 were sent by mail to other libraries, newspapers and subscribers, while the rest were made available at the Central Library and at the branches.

As in earlier years, each issue of "More Books" has carried a leading article of from four to eight thousand words written on the book treasures of the library, or on some topic of library interest, and occasionally illustrated with facsimile reproductions. The publication of a detailed descriptive catalogue of fifteenth-century

books in the library has been continued; four installments having been published during the year, in the January, February, October and November issues. In the June issue a long article was published on the Tercentenary Exhibit, arranged in the Treasure Room in connection with the Massachusetts Tercentenary Celebration. This article was reprinted also in pamphlet form. Of the other articles published during the year mention should be made of John Singleton Copley's painting "Charles I in the House of Commons"; the Copley letters and manuscripts in the library; the revival of Gothic architecture; the documents of a New England town; a descriptive article on the new Kirstein Memorial Library, etc.

"Ten Books" and "Library Notes," popular features of the bulletin, have been continued. In the first, ten of the outstanding new books are reviewed in an informative rather than critical manner; in the latter, important new acquisitions are described in brief paragraphs, and library news of public interest and communications from the Director's Office are published.

The articles and notes, in all, occupied 288 pages out of a total of 528. The rest were used for the classified lists of new books.

One number has been added to the series of "Brief Reading Lists," No. 43, "Tercentenary Celebration, 1630-1930." This pamphlet, consisting of 166 pages, is a selected list of books in the library on the Massachusetts Bay Colony and Boston. It is the first considerable venture in the bibliography of the subject.

Bibliographical lists have been printed, as in former years, for the lectures on the concerts of the Boston Symphony Orchestra and programs for the free concerts given in the Lecture Hall of the library.

The library's annual publication, "Opportunities for Adult Education," was issued in the first week of September. It consisted of 128 pages. The list of lectures given at the Public Library was published in a separate booklet of eight pages.

INFORMATION OFFICE AND OPEN SHELF ROOM.

The circulation of books from the Open Shelf Room amounted to 50,177 volumes, an increase of 1,012 volumes over last year. Considering that the collection consists of about 4,200 volumes, it follows that there

has been a complete turnover on an average of each month. Should the library be able to provide more space for open shelf service, the circulation would be correspondingly higher. The public unquestionably appreciates the service of the open shelves. The ready reference files as well as the vocational and business files, directories and school catalogues continue to serve their purpose. They are selected with a view to the special requirements of the service.

The Information Office has distributed as usual a large number of library publications: copies of "More Books," the Annual Report, lecture lists and adult education pamphlets. Thousands of copies of University Extension Bulletins, the Strangers' Directories, Elevated Railway Guides, and various maps, books and folders have been freely given to students and visitors.

NEWSPAPER AND PATENT ROOMS.

The total number of papers on file is 250 — 3 less than last year. One paper was added to the files, and 4 were merged or ceased publication. Of the 250 papers on file, 183 are American and 67 foreign. The number of American dailies is 148, that of foreign dailies is 51; the number of American weeklies is 34, that of foreign weeklies is 16.

The collection of bound volumes of newspapers consists of 9,766 volumes. One hundred fifty-seven were added during the year. In all, 19,498 readers consulted 34,878 volumes. The attendance in the room is always large. The maximum was 193 on February 23 at 6 p. m.

The Patent Collection consists of 12,154 volumes, an increase of 502 volumes over last year. During the year 19,189 persons used 111,753 volumes. It is impossible to record the actual use of the books on the open shelves, since they are accessible to the public.

PERIODICAL DEPARTMENT.

The outstanding feature of the service of this department during the past year was the consolidation of debate material in order that time might be saved for students and others interested in debating. The newspaper clippings have been also extensively augmented.

The tercentenary celebration, as was to be expected, brought a large number of inquirers. In connection with the celebration as well as in answer to a long felt

need a file of special material relating to New England in general has been collected. Students are increasingly realizing the value of magazine articles in their courses. This naturally results, on busy days, in the overcrowding of the rooms, especially since the overflow from the Newspaper Room fills many of the seats. The following figures show the attendance during the past year as compared with that during 1929:

ATTENDANCE ON WEEK DAYS.

AT THE HOURS:	10 A. M.	12 M.	2 P. M.	4 P. M.	6 P. M.	8 P. M.	9.45 P. M.
1929.....	21,204	23,792	40,827	44,762	27,943	29,925	16,871
1930.....	21,453	24,237	42,174	45,352	28,217	29,439	16,275
Sundays at 1 P. M.....							
1929.....		10,765					
1930.....		10,689					

During the day throughout the year 70,216 and during the evening and Sundays 26,435 bound volumes of magazines were consulted, as against 69,842 and 26,143 in the previous year. The unbound numbers of magazines consulted in the daytime were 74,148, and during evenings and Sundays 33,792 as against 73,935 and 33,184 in the preceding year.

The number of bound volumes on the shelves in the department was at the end of the year 23,546. The current periodicals, exclusive of those issued by state and federal governments, regularly filed for readers in the Periodical Department number 1,317.

In addition there are filed in other departments a number of other current periodicals: In the Fine Arts and Music Divisions 156, in the Ordering Department 27, in the Statistical Department 49, in the Teachers' Reference Room and Children's Room 65 — making the total number of periodicals currently received in the Central Library 1,614.

SPECIAL LIBRARIES DEPARTMENT.

The major event of 1930 was the opening of the Treasure Room and the installation of the Music Division in its new quarters. It was a busy year and

the use of books within and without the department shows a gratifying increase.

The number of books issued for home use from the Fine Arts and Technology Divisions (including inter-library loans) was 26,927, an increase of 937 books over last year and representing the highest circulation ever recorded for the two divisions. The number of volumes issued for home use in the Music Division was 7,652, an increase of 532 books over last year. The use of books in the Barton-Ticknor Division was 12,211, an increase of 33 books over last year.

The reorganization of the Fine Arts picture collection, begun in October, 1928, has been continued during the year. Over four thousand pictures have been selected, classified and added to the increasingly satisfactory files of mounted pictures, and over three thousand to the equally satisfactory school collection. The result is reflected in an increase in circulation; the number of pictures issued amounted to 25,680, as compared with 24,053 in 1929.

The loan of lantern slides amounted to 9,546, showing some decrease owing to the fact that a number of the more frequent borrowers of the past made fewer demands than previously.

The patronage of the Barton-Ticknor Division has shown a distinct change. The policy of forbidding the use of rare books by young students has been insisted upon, and consequently few undergraduates at present visit this division. Graduate students and professors, on the other hand, are attracted to the room again in an increasing number. It is understood, of course, that any student who is doing a special piece of work requiring material that his college library could not be expected to have has access to the books of the special collections.

Various kinds of work have been started during the year. Most important among these has been the reclassification of maps on a geographic-chronological basis. Five thousand maps have been so far relocated and the necessary records made.

The Barton-Ticknor Division has been in its renewed quarters for a year and three months, and already the problem of space is acute. Three new collections — the Defoe Collection, bought from Prof. William P. Trent the St. Francis Collection bought from the widow of Paul Sabatier, and the collection of Washingtoniana bequeathed by Walter U. Lewisson — have been ac-

quired during the last two years, with the result that there is no additional shelf space left in the North Gallery.

The condition of the leather bindings of the rarer books presents a problem which must be solved before long. The dryness of the room can easily be remedied by the installation of electric humidifiers, but in addition the bindings should be not only cleaned regularly, but oiled.

The new Treasure Room has attracted much and deserved attention. During the seven months in which it has been open 37,710 visitors were recorded. Two exhibitions were arranged during the year: the first showing the history of printing together with a selection of the library's rarest treasures; the second — a tercentenary exhibit — illustrating the history of Boston with maps, manuscripts and rare books.

During the summer months the library had the privilege of exhibiting in the Treasure Room, through the courtesy of Mr. Eldridge R. Johnson of New Jersey, the owner, the original manuscript of "Alice in Wonderland" by Lewis Carroll (the Rev. Charles L. Dodgson), with related material, which proved of much interest.

STATISTICAL DEPARTMENT.

The reorganization of the department, begun toward the end of 1928, has been continued. An accurate inventory of the book stock has been completed. The routine work of revising the shelf list, developing an up-to-date continuation list, devising a satisfactory classification for early American documents, rounding out the collection generally and the maintenance of an efficient service to the public have placed a severe strain upon a staff inadequate in numbers.

The document files in the department itself are now almost complete, although there are large gaps in the files of documents shelved in the stack ranges. It is desirable that all documentary material should be assembled in one department and administered as a unit. This unification is, unfortunately, impossible, until the staff and the quarters of the Statistical Department are enlarged.

The statistics for 1930 indicate that the opening of the Kirstein Business Branch has not diminished the use of the Statistical Department. No figures are

available for the attendance during the evenings and on Sundays and holidays. During the daytime on week days 12,724 persons used the department. The circulation of books amounted to 2,926. Of course more books are used in the department; generally speaking, they do not circulate and are readily accessible to the public.

WORK WITH CHILDREN.

Direct circulation of books classified as juvenile shows a very slight increase from that of the preceding year,—1,739,972 in 1930 as against 1,739,089 in 1929. Although a falling off in circulation has been reported from children's rooms nearly everywhere, this is not to be interpreted entirely as a decrease in the use of books by children. On the contrary, it shows the result of a deliberate effort on the part of library staffs to encourage boys and girls to reach earlier toward general literature. In all the children's rooms the stock has been enlarged to include a fair selection of fine books with equal appeal to children and grown people. Such recent titles as Byrd's "Little America," Partridge's "Amundsen," Eaton's "Daughter of the Seine," are read eagerly by young people who are still reading also many books in the juvenile class.

For a number of years the library has been developing in the adult divisions of the branches or in their children's rooms, special collections of books for older boys and girls. It is the purpose to strengthen constantly these collections by further addition of mature reading that makes an appeal to those who have read widely among children's books but are not yet registered as adult borrowers.

The gain in the percentage of adult circulation has also another significance. It shows that the library is retaining as adult readers the boys and girls who have grown up in the children's rooms. When it is possible, children's librarians are substituting longer stories for the easy books, which are taken home one day and returned the next. This makes the turnover less rapid but it is of more value in the development of the child. The proportion of nonfiction read is also increasing.

Books.—To supply the children's requirements the library purchased 49,866 books. Replacement of worn-out copies of standard and popular titles always con-

stitutes by far the larger percentage of the yearly accessions, but the growing excellence in the field of books for boys and girls calls for a generous supply of new publications. Owing to the lessened cost of beautiful picture books, it has been possible to provide these more lavishly than ever before. Consequently, all the branch children's rooms have received gay and colorful picture books from other lands as well as those made in America. The new contributions inspired by Mexican art, "The Painted Pig" and "Pancho and his Burro," Elsa Beskow's Swedish picture story books Leslie Brooke's "Roundabout Turn," Kurt Wiese's "Liang and Lo," as well as many another have been distributed throughout the city to gratify the children of all ages and satisfy mothers who draw books for the younger ones at home. To present enjoyment are added lasting standards of good illustration as well as enlargement of ideas by picture books of this type.

The high imagination of poet and artist lies back of "The Cat who went to Heaven," by Elizabeth Coatsworth with Lynd Ward's unusual pictures. It has been a pleasure to note its widespread appeal to boys and girls of different ages and environments. "Floating Island," by the novelist Anne Parrish, and Rachel Field's "Hitty," awarded the Newbery medal are other favorites of the last year that seem destined to secure places on library shelves for years to come.

Books on aviation are in steady demand everywhere. Not only the narrative accounts of aviators' achievements, but more technical directions for making and flying planes show to what an extent boys are becoming air-minded.

Children's Rooms.—No new children's rooms were opened during the year and much needed expansion of work with children has been delayed in the communities which have outstripped the library facilities in growth. Brighton Branch is showing the good effect of the removal of the children to a separate room in 1929, as are Andrew Square and Mt. Bowdoin, though not merely in the circulation of books. The Dorchester Branch has been for another year saddled with the Baby Clinic and the Children's Room is consequently closed to readers two afternoons in the week. It is a trying and unreasonable situation for which there seems to be no immediate relief. In two other branches, Codman Square and East Boston,

the story hours have been suspended because of the encroachment of other city departments.

With new building plans for the near future in several very needy neighborhoods there is reason for great hopefulness. At Mattapan, for instance, where the circulation has increased elevenfold in five years, the new building is eagerly awaited.

The serious handicap, however, should be stressed under which South Boston, Roslindale and Codman Square function. South Boston Branch in particular serves a district where the children turn with unusual loyalty to their library for space for study as well as for recreative reading. They would appreciate and make good use of a large light room properly equipped for comfortable study. The present cramped and unattractive quarters are wholly inadequate. For nearly twenty years the Branch has been hoping for some space of its own for the story hour. The group gathered in an unsuitable rented room has long been one of the most devoted and appreciative in the city, but the story teller works under a serious handicap because of the lack of a room at the library.

At Roslindale the children's room is far too small to care for the children who flock there. On one typical Monday afternoon between four and five there were 75 to 121 children in the room which seats 28. All this affects orderly conduct, for a room in which one cannot reach immediately the source of trouble is a difficult room to control. Nor can the children receive the attention which leads to intelligent and satisfied library membership.

Just what such membership means to a child, it is easy for an older person to forget. Possession of a library "ticket" for the first time is sometimes cherished as a happy memory. One of the librarians reports the recent visit of a man who watched the children coming and going during the rush hour after school. He recalled his own experience forty years before when he applied for library membership and rushed home with the registration blank to obtain his father's signature. "It was the greatest thrill of my whole life, when I received the coveted card," he said.

In spite of some difficult problems of arrangement the children's librarians show resourcefulness in their efforts to make their rooms attractive to children. New exhibition cases have been supplied with col-

lections loaned by the Children's Museum and the Junior Red Cross Society. These stimulate mental alertness and open new channels of interest. One very successful kind of exhibit consists of well-executed school projects and examples of the children's own handwork. This makes an excellent contact between the library and the home. During the year many of the exhibits focussed on the Boston tercentenary.

Book Week was observed by book displays to which parents and teachers were invited. One branch held its annual "Library Day" in all the schools of the district. Another invited the teachers to tea when the new books were shown and reviews of them given by the staff.

Central Children's Room.—In the Children's Room at the Central Library the opening of the Book Week exhibit in the Venetian Alcove was accompanied by a puppet show by Miss Jean Mardin, who, for the first time, presented the familiar story of Master Skylark as a marionette performance. This filled the Lecture Hall twice on a Saturday afternoon and afforded the the audiences much enjoyment.

The Children's Room shows an increase in "home use" circulation of some two thousand books. Visitors and readers numbered many grown persons, whose object for coming differed from that of the children, since they were seeking material bearing upon the different aspects of the production of children's books. They have the viewpoint of author and illustrator, of playwright and producer. There are also foreign visitors, and many letters arrive from other countries with definite questions about books and administration.

Story Hours.—Each year gives further evidence of the value of the story hour as an introduction to books. It has become even more completely entrenched as an indispensable part of our service to children during this time of unemployment, when necessity has curtailed the entertainment of many boys and girls. The librarians speak of the undying welcome that awaits the traditional stories of gods and heroes, of King Arthur and Robin Hood and the knights of chivalry. Some of the children's librarians, under Mrs. Cronan's training, have developed a happy gift as story tellers. Because of lack of room there are still too many branches unable to provide a suitable meeting place, so the library turns to the schools for accommodation. But as has been

noted before, this is not wholly a disadvantage, since the story teller reaches more children in this way and demonstrates to the teachers the value of an oral presentation of literature.

Schools.—The schools and the library are closely related in many ways. A large part of the children's room work lies in answering questions and providing reference material for young people in connection with their studies. Since a knowledge of the efficient use of libraries and catalogues is something that many people never acquire independently, a number of libraries are receiving classes from the schools for the purpose of giving instruction in reference tools. The past year has added several branches to the group now undertaking this service to school children. Memorial Branch with its public high school pupils under the same roof has offered the largest number of such lessons, but other branches have also invited the students to visit with this object in view; notably Hyde Park, Andrew Square and Dorchester. The close relation between the Public Library and the public schools is the oldest cooperative movement in library history. Perhaps the most familiar expression of cooperation is the practice of lending books on deposit to be kept in the school and used by pupils throughout the school term.

The Need for a Schools Department.—For a number of years it has been apparent that the library has outgrown the present method of caring for deposit requests from the schools. Not only are the increasing demands taking books that are needed on the shelves of the children's rooms, but the pressure of choosing and preparing the deposits is a heavy burden on the staffs of the branches. A report on the situation prepared by the children's librarian of a large branch shows the difficulties from the point of view of a library carrying on this work. The following paragraphs are quoted from this report:

“A demand which the school has made upon the library and which has become an almost unbearable burden to many of the Boston branches is the custom of lending books to be kept in the school and used by the pupils throughout the year. Each library is supposed to supply the schools in its own district. Consider a district where there are twenty-two schools, many of them containing from ten to fifteen rooms and none less than six. Each teacher is entitled to a deposit of books if she wants it. Seldom is a request made for less than twenty-five books,

and many teachers like thirty-five or forty volumes which is the number of pupils in the average class. In such a district almost four thousand books are sent to the schools in the fall of the year alone. No library, not even one with a deposit collection of fifteen hundred books, can meet such a demand without infringing seriously on the other phases of its work. Even if the library could spare the books, such an amount of extra work would overtax the staff and require too much time. Anyone acquainted with library schedules realizes that each branch is run with a minimum number of employees, the largest number being concentrated on afternoon work, which means work with the public that comes to you and demands immediate service. On such a basis deposits become 'fancy work', so to speak. Something to be picked up at odd moments. One half hour here, another ten minutes a little later, and so on until the person in charge of the work wonders how she is expected to accomplish anything. The selecting of deposits is interesting and exacting work. If the library sends books, why not send good books which will mean much to the pupils and give the teacher a chance to introduce worthwhile material to her class. Hit or miss selection of the books is not satisfactory.

"Referring to the afore-mentioned district almost 2,200 books from the branch were supplied in the fall of 1930. That means that every book must be selected, slip and charging plate carefully marked with the school symbol and the teacher's name, the slips must then be filed and a schedule typed. After this the books must be tied securely, a record made and a notice sent to the teachers. As a conservative estimate at least seventy minutes would be required to complete this process properly and thoroughly always providing that interruptions to the worker are not frequent. If seventy minutes are needed to prepare a deposit of twenty-five books, then nearly 110 hours will be necessary to fill requests calling for 2,200 books. An average working week is forty hours in length, so nearly three weeks of solid time would be required for this work. If any one person were suddenly absent from duty for three weeks, the work would be crippled and a falling off in the efficiency of the branch would be noticeable to the workers there. In just the same way the work of the branches is being crippled in the fall by this excessive deposit work and the schools are not getting good service because the required three weeks of solid time drags out to twelve or thirteen weeks while deposits remain the 'fancy work' of the branches."

The logical solution of this problem is the centralization of all deposit work for the whole city. The Branch Issue Division is now handling the greater part of it and should take it all. In the over-crowded quarters of that division, however, it is impossible to find sufficient space

to prepare deposits rapidly enough to keep up with the many requests made at the beginning of the school year. This inability causes a number of delays each year. A larger room where books may be assembled, scheduled and tied into bundles is urgently needed. Furthermore, the books suitable for school work should be separated from the general collection used to supply daily calls from the branches — a move which would facilitate selection.

Last year the library sent 66,509 books on deposit for school use, but even more expansion should be expected of a large library like this institution. In other cities where the cooperation between the Public Library and the public schools is most successful the administration of all school work is assigned to a schools department. It seems that this is the right solution also in Boston. A schools department with a trained librarian in charge, with intelligent and sympathetic assistants organized to take over the deposit work for the whole city, should also handle the circulation of pictures in the schools and thus unify work now scattered among several different departments. This division of work with children is large and important enough to call for special organization. No existing department is equipped to care for it adequately, since the large field of cooperation between the schools and the library requires the undivided attention of a staff of interested persons.

The Teachers' Room.—The Teachers' Room seems logically a part of the Reference Department of the library. However, its development from a single case of books for kindergarten teachers in the Children's Room and its gradual usurpation of the Children's Reference Room have allied it to the Children's Department. At the present time its greatest use is by college students and more particularly those who are enrolled in courses in education at Teachers' College and Boston University. There are forty-four periodicals relating to education currently received for the room and the bound files of these magazines are shelved in the gallery of the Children's Room. No one can doubt the usefulness of these magazines. Because of the constantly changing methods and theories of education the freshest material is in demand by students so that some of the articles are literally worn out by constant and reasonable use. With the growth of the collection it was felt necessary to

reclassify the books, so the attendant in charge was admitted to the Training Class to take the course on classification and cataloguing. The books are now being reclassified under the direction of a committee appointed by the director.

THE BRANCH SYSTEM.

The total circulation through the branch libraries and the Central Branch Department for the year was 3,792,982. This is a gain of 194,870 over last year.

The total branch circulation was made up of the following items: 3,218,102 books were issued for home use directly from the branches; 487,533 books were issued to schools and various institutions partly from collections of the branches (210,573) and partly from the Branch Deposit Collection in the Central Library (276,960), and, finally, in response to calls from the public at the various branches, 87,347 books were issued from the Central Library through the branches — 67,294 from the Deposit Collection and 20,053 from the stacks at the Central Library.

Of the 3,218,102 volumes drawn out for home use directly from the branches 1,534,857 were for adults and 1,683,245 for juveniles. Among the books for adults there were 1,187,898 volumes of fiction and 346,959 of nonfiction; among the books for juveniles there were 1,151,244 volumes of fiction and 532,001 of nonfiction.

The number of volumes sent on deposit from the Central collection and from branch libraries to 324 agencies was 90,284. Among these agencies were 15 branches, 51 engine houses, 6 high schools, 198 grammar schools, 15 parochial schools, and 39 institutions of various kinds. To the 219 schools 66,509 volumes were sent in all. Last year the number of agencies was 338 and the number of volumes sent on deposit, 87,234; to 224 schools 61,991 books were sent in 1929.

Besides books, 44,730 pictures were sent to schools. The inter-library loans amounted to 2,775 volumes: 2,250 books to libraries in Massachusetts and 525 to libraries outside of the state. In all, 2,385 applications were received, of which 870 had to be refused.

Twenty-seven of the branches gained in circulation. The greatest gains were at Uphams Corner, Orient Heights, City Point, Hyde Park, East Boston, Allston,

Brighton, and Jamaica Plain. The largest circulation reached at a branch was 184,595, and the lowest, 51,195.

The increase of 5 per cent in the circulation of books through the Branch System is gratifying.

On May 7, 1930, the Kirstein Branch, on the third floor of the new building at 20 City Hall avenue, was opened to the public. The first two paragraphs of the Branch librarian's report testify to the progress that has been made:

"Eight months have elapsed since the Kirstein Branch, on the third floor of the Kirstein Memorial Library, was first opened to the public. Situated in the heart of the business district, the value of a general branch, housed in the same building with a business branch, could not be ascertained until after the experiment.

"A survey of circulation figures is a conclusive proof of the need for a branch library in this part of the city. During the 181½ days the Branch has been opened, 18,020 books have been issued — 10,870 fiction and 7,150 nonfiction. Nine hundred seventy-seven books were also obtained from the Central Library in response to requests for the titles which were not in our collection or which were in circulation when asked for. Month by month a steady and persistent growth in circulation has been noticed."

THE BUSINESS BRANCH.

The Business Branch, for the accommodation of which the Kirstein Memorial Library was primarily built, was opened to the public on May 7. The response of the business men and women of Boston to this new special service proved from the outset to be most gratifying. Again and again one is told — "This Branch meets a very great and definite need." The attendance averages 438 a day. November was the busiest month, with an average of 538. November 10 had the largest attendance; namely, 662. This marks the Business Branch at the beginning of its existence as the most heavily used of all similar institutions.

The class of patrons is made up almost without exception of those groups the Business Branch was especially designed to serve. Also, many persons who are suffering from the unemployment situation have been making use of the branch by studying to prepare

themselves for better work when a new job may open. There are, as was to be expected, many more men than women.

The unexpectedly heavy use found the branch with an inadequate staff to take care of the necessary daily service and make progress with the cataloguing. Some progress has been made, but it has been made slowly. It is evident that the branch must have a somewhat larger staff. That in its turn will aid the reference and other work of the library.

The number of volumes on the shelves is a little over eight thousand, of which some two thousand are in the reference collection on the first floor. The reference work of a library of this type is a considerably more important service than the circulation of books. Many of the books which might circulate are used here for reference purposes. The circulation has, none the less, consistently increased during the eight months that the Business Branch has been open.

While the attendance is heavier than in Newark, for example, the use of the telephone has not been built up to be nearly as large. The service by telephone is especially important, because business men appreciate the saving of time and because the collection of trade and city directories, statistical yearbooks, financial services, atlases and maps particularly lend themselves to questions easily answered over a telephone. The librarian of the branch is exceedingly anxious to increase the extent of this service.

The very large use of the branch, a relatively small staff and the work of organization which had to be met this first year have allowed no opportunity for the librarian to make outside contacts. Little attempt has been made so far at special publicity. However, the splendid publicity given by the local press during the past year and more has made the Business Branch known to every reader of a newspaper, and has no doubt counted in considerable part for its heavy use from the beginning. Its continued and increasing use is undoubtedly due to various reasons: To the real need of such a service; attractiveness of the building and its fittings; convenience of location and the adequacy of its book collections. The fine exhibit window on the first floor in which book displays have been changed every two or three weeks have also brought in many people to see additional material.

A source of great satisfaction has been the up-to-dateness of the books. In this type of library this is absolutely essential. The magazines, business services, trade and city directories and statistical yearbooks consume four-fifths of the book appropriation. The directories, yearbooks, etc., are expensive and make a generous appropriation necessary if the branch is to continue to give efficient service. This expense is lessened by the fact that all city directories, the Rand McNally Atlas and many trade directories are used the second year in other parts of the library system.

A well-attended meeting of the Boston Special Libraries Association was held at the Business Branch in October. The librarian has given two talks on the work of the branch; one at Swampscott at the meeting of the Massachusetts Library Club in June and one before the librarians of the general branches in December.

THE LIBRARY TRAINING CLASS.

The third year of the Library Training Class opened October 1, 1929, and closed June 12, 1930.

Seventeen students were enrolled. The policy has been to give those who were selected from the library staff two years in which to complete the work of the course. The subjects assigned for the first year were Reference Work, Children's Literature, Library Administration and practical work. The subjects for the second year were Book Selection, Classification and Cataloguing. Those students who came from outside the library system were required to complete the course in eight months.

For the course in Reference Work about two hundred fifty standard reference books were studied and discussed. Problems were assigned, giving opportunities to members of the class to do actual fact-finding and thus put to practical use the knowledge acquired. Talks on methods of research and on meeting the public were given by Mr. Chase and by the supervisor.

The course in Children's Literature was designed to give to general assistants some acquaintance with the different types of books included in children's libraries everywhere. During the thirty lessons the class studied and discussed the source material of traditional literature, national epics, legends, medieval romance and poetry. It then passed on to modern books written

for children. The course aims to teach the principles governing the selection of books for boys and girls and to give students a discriminating sense of values.

The course in Library Administration began with a study of the noteworthy features of the library building itself as set forth in the Handbook of the Library, the object being to qualify the students to act as library guides in case of necessity. There followed a series of lectures by the director and the heads of departments, in which each explained the various activities under their jurisdiction. Three lessons in bookmending were conducted by the head of the Branch Binding Division. A talk on the American Library Association was given by the supervisor, and its Code of Ethics was read and discussed. Visits were made to Boston publishing houses and book stores, and to the Business Branch, the State Library, and the Boston Athenæum. A lecture on bookbinding was given by Mr. H. R. Huntting, and the functions of the State Division of Public Libraries were explained by Miss E. K. Jones, Miss E. L. Jones and Miss Edna Phillips.

The course in Book Selection was given with two objects in mind, first, the theoretical aspect of choosing books for a library; second, the more practical task of selecting from the shelves "the right books for the right person at the right time." It was approached by stimulating, through lectures, reading, and both oral and written book reviews, the desire for a wide acquaintance with all types of books. As in the previous year, Mr. Haraszti gave three lectures on early manuscripts and the history of the printed book. Miss Bradbury of the Fine Arts Division lectured twice upon book illustration. In connection with these talks the class was given an opportunity to examine the treasures of the library.

The object of the course in Classification was to give some conception of modern systems of classification, and of the problems involved in arranging books on the library shelves. With the decimal classification of Melvil Dewey as a basis, each student classified and assigned call numbers for three or four hundred books.

The study of Cataloguing has been greatly facilitated by the use of the galley proofs printed by the Card Division of the Library of Congress. These proofs have been cut up and slips containing interesting points in cataloguing have been grouped together to use as

illustrative material for the class. Hundreds of such proofs of the Library of Congress cards are now available for class purposes.

As books needed by the class in its regular work are not always available in the main library, the supervisor has built up a working collection of books for the exclusive use of the Training Class. This has proved of great value. The same work can often be read with some interest in book selection and can later be used as a problem in cataloguing and classification.

Certificates were issued in June for the first time and were presented to all who had graduated from the Training Class.

READERS' ADVISER.

The policy followed by the Readers' Adviser during 1930 has been to talk over and suggest books to patrons or to make lists for them, encouraging them to return as they have felt the need for further material.

This apparently more nearly meets their needs than the practice of reserving books, as in previous years.

In all, thirty-two formal lists, including 648 titles, have been compiled. In making such lists, each book is examined with a view to the specific needs of the individual. Assistance has also been rendered in the arranging of a number of club programs. In August the Readers' Adviser was requested by WNAC to provide a weekly ten-minute radio talk on books. The speakers have been drawn from all parts of the library staff and have talked briefly on both the new and older books.

BINDERY.

It is gratifying to record that the accumulation of branch work has been dispatched, so that in the near future more time can be devoted to the demands of the Central Library. During the year nearly 50,000 volumes were taken care of for the branch libraries.

There is a real need for the installation of a second oversewing machine for the thousands of unbound patents that are awaiting binding in the Patent Room. This new machine should be procured as soon as possible, especially since the old machine needs an entire overhauling and may have to be stopped for repairs at any moment.

The work has been continued on the old and valuable books, in the Barton, Prince and other special collections, adding some 500 volumes to the nearly 1,000 volumes finished during the past two years. The repair of these old and often very fine bindings consumes much time. Yet the work has already resulted in an improved appearance of these collections.

The various library publications issued in connection with the tercentenary celebration have necessarily imposed a large amount of additional work on the bindery.

MECHANICAL AND OTHER REPAIRS.

During the year much needed repair work and many improvements were made both at the Central Library and in the several branches.

The following accomplishments may be specified in the Central Building: New steel lockers were installed for the employees; the lighting in the Statistical Department was improved; a new ornamental lantern and reflector were added to the Sargent staircase; fire partitions and fire doors were placed at hazardous points; galvanized iron was placed on the flooring beneath the ventilating fan under the roof; the ventilation in the Newspaper Room was improved: a steam-driven vacuum machine was placed in operation in connection with the pneumatic tube system; the book railway serving the book stacks was equipped with a device recording the trips made by the cars during the day. An important improvement was the installation of automatic soot blowers on the boilers, which increased the efficiency of the power plant. During the year the power plant consumed 1,600 tons of coal for heating and lighting the building.

At the branches the following improvements may be especially noted: Repairs were made on the roofs of the Brighton, Hyde Park, Neponset and West Roxbury buildings; radiator shields were installed in the Hyde Park, Brighton, Charlestown and North End Branches; additional shelving was built at several of the branches, the furniture refinished and ventilating fans installed.

CONCLUSION.

During the year the following persons retired under the Boston Retirement Act: Dorchester Branch: Mar-

garet S. Barton, first assistant (retired January 31), entered service June 1, 1885; Central Library: Mary Connors, cleaner (retired April 30, voluntarily), entered service July, 1908; East Boston Branch: Everett F. Matthews, janitor (retired April 30, disability), entered service April 23, 1900; South End Branch: Margaret A. Sheridan, librarian (retired June 30), entered service September 7, 1875; Central Library: Charles J. Wyzanski, janitor-laborer (retired July 31), entered service November 8, 1920; Ordering Department: Margaret F. Collins, assistant (retired September 30, voluntarily), entered service October 1, 1902; Brighton Branch: Ellen F. Conley, first assistant (retired October 31), entered service May 27, 1891.

The death on December 12, 1930, of Frank Herbert Chase, Assistant Librarian, employed in the service of the library since October 2, 1911, is noted with deep regret.

On the loyalty and efficiency of the staff depends at all times the successful operation of the library system. To those members in all departments who have given faithful service I express my heartfelt appreciation.

Respectfully submitted,

CHARLES F. D. BELDEN,
Director.

APPENDIX.

TABLE OF CENTRAL AND BRANCH CIRCULATION.

	1925.*	1926.	1927.	1928.	1929.	1930.
Central Library.....	608,852	644,896	657,977	678,834	676,240	698,627
Business Branch.....						6,157
BRANCHES.						
Allston.....	63,434	74,297	81,994	86,960	97,445	108,557
Andrew Square.....	68,772	89,662	92,926	104,563	110,225	116,196
Boylston Station.....	64,559	71,261	68,196	81,405	80,097	79,946
Brighton.....	89,384	101,286	98,907	96,586	92,223	103,145
Charlestown.....	95,288	107,562	110,069	105,659	100,483	100,914
City Point.....	50,108	51,154	54,232	56,686	83,558	97,264
Codman Square.....	119,758	145,001	156,559	157,498	153,372	158,881
Dorchester.....	90,123	100,188	101,957	109,553	99,255	102,790
East Boston.....	125,820	138,691	140,379	151,099	145,759	157,746
Faneuil.....	31,560	43,782	50,212	60,143	72,005	78,436
Fellowes Athenæum....	84,765	85,151	89,479	91,463	88,381	85,739
Hyde Park.....	93,582	98,147	107,168	110,679	108,512	120,878
Jamaica Plain.....	67,232	73,117	85,262	86,398	85,935	95,895
Jeffries Point.....	53,004	58,218	61,893	63,185	62,111	70,768
Kirstein.....						18,020
Lower Mills.....	25,488	32,274	35,835	38,428	44,730	52,279
Mattapan.....	58,290	69,364	95,085	124,374	133,210	139,723
Memorial.....	135,913	147,263	171,034	178,142	180,344	178,467
Mt. Bowdoin.....	112,320	125,907	129,487	132,424	134,008	134,310
Mt. Pleasant.....	53,778	59,101	66,315	72,367	72,167	76,956
Neponset.....	39,479	43,349	48,331	48,639	51,228	57,043
North End.....	121,651	137,896	143,381	146,616	145,201	145,326
Orient Heights.....	45,395	58,913	55,625	49,015	42,571	56,954
Parker Hill.....	39,860	43,719	45,862	51,412	56,209	60,815
Roslindale.....	93,154	105,074	113,150	122,260	124,995	130,268
Roxbury Crossing.....	58,634	62,462	77,770	78,269	78,803	80,022
South Boston.....	148,751	169,625	170,911	181,376	171,805	163,266
South End.....	112,578	118,315	116,226	117,982	123,794	124,352
Tyler Street.. ..	37,436	43,421	39,868	42,875	46,058	51,195
Uphams Corner	100,288	126,010	152,140	171,260	169,027	184,595
West End.....	152,043	169,142	175,683	183,887	180,854	177,125
West Roxbury.....	88,482	104,889	111,754	119,249	119,463	120,804
Totals.....	3,129,781	3,499,137	3,705,657	3,899,286	3,930,068	4,133,459

* A period of eleven months.

The net gains and losses in circulation are presented, apart from the totals, in the following form:

	VOLUMES.
1925 * loss from preceding year	2,413
1926 † gain over preceding year (of 11 months)	369,356
1927 gain over preceding year	306,520
1928 gain over preceding year	193,629
1929 gain over preceding year	30,782
1930 gain over preceding year	203,391

* Eleven-month period.

† Gain over an approximation of preceding twelve months 233,279.

USE OF BOOKS.

CIRCULATION FROM CENTRAL BY MONTHS.

	Home Use Direct.	Home Use Through Branch Department.	Schools and Institutions Through Branch Department.	Totals.
January, 1930.....	33,490	9,253	29,190	71,933
February, 1930.....	32,448	8,721	29,300	70,469
March, 1930.....	35,387	9,458	31,850	76,695
April, 1930.....	30,451	8,166	32,900	71,517
May, 1930.....	27,027	7,147	31,865	66,039
June, 1930.....	18,562	5,189	30,450	54,201
July, 1930.....	20,426	5,047	6,580	32,053
August, 1930.....	20,313	5,082	4,585	29,980
September, 1930.....	21,034	5,352	7,075	33,461
October, 1930.....	29,924	7,791	16,815	54,530
November, 1930.....	33,361	7,884	26,025	67,270
December, 1930.....	31,897	8,257	30,325	70,479
Totals.....	334,320	87,347	276,960	698,627

DISTRIBUTION OF TOTAL CIRCULATION.

	Home Use.	Schools and Institutions.	Totals.
CENTRAL LIBRARY:			
a. Direct.....	334,320		
b. Through Branches:			
1. Deposit Collection.....	67,294		
2. General Collections.....	20,053		
c. Schools and Institutions through Branch Department.....		276,960	698,627
Business Branch.....			6,157
BRANCHES:			
Allston.....	108,557		108,557
Andrew Square.....	116,196		116,196
Boylston Station.....	79,946		79,946
Brighton.....	85,119	18,026	103,145
Charlestown.....	90,637	10,277	100,914
City Point.....	97,264		97,264
Codman Square.....	148,421	10,460	158,881
Dorchester.....	96,937	5,853	102,790
East Boston.....	139,366	18,380	157,746
Faneuil.....	78,436		78,436
Fellows Athenæum.....	68,622	17,117	85,739
Hyde Park.....	105,184	15,694	120,878
Jamaica Plain.....	85,105	10,790	95,895
Jeffries Point.....	70,768		70,768
Kirstein.....	18,020		18,020
Lower Mills.....	52,209		52,279
Mattapan.....	139,723		139,723
Memorial.....	177,708	759	178,467
Mt. Bowdoin.....	134,310		134,310
Mt. Pleasant.....	76,956		76,956
Neponset.....	57,043		57,043
North End.....	144,356	970	145,326
Orient Heights.....	56,954		56,954
Parker Hill.....	60,815		60,815
Roslindale.....	120,558	9,710	130,268
Roxbury Crossing.....	80,022		80,022
South Boston.....	138,835	24,431	163,266
South End.....	114,009	10,343	124,352
Tyler Street.....	51,195		51,195
Uphams Corner.....	184,000	595	184,595
West End.....	141,152	35,973	177,125
West Roxbury.....	99,609	21,195	120,804
	32,18,102	210,573	3,428,675

These figures are condensed into the following:

BOOKS LENT FOR HOME USE, INCLUDING CIRCULATION
THROUGH SCHOOLS AND INSTITUTIONS.

From Central Library (including Central Library books issued through the branches)	698,627
From Business Branch	6,157
From branches (excluding books received from Central Library)	3,428,675
Total	4,133,459

COMPARATIVE.	1929.	1930.
Central Library circulation (excluding schools and institutions):		
Direct home use.....	331,956	334,320
Through branches.....	87,259	87,347
	419,215	421,667
Business Branch.....		6,157
Branch libraries circulation (excluding schools and institutions) ..	3,037,755	3,218,102
Schools and institutions circulation (including books from Central through the Branch system).....	473,098	487,533
	3,930,068	4,133,459

Under the inter-library loan system with other libraries the following use of books for the purpose of serious research is shown for two successive years:

	1929.	1930.
Volumes lent from this library to other libraries in Massachusetts:	1,158	2,250
Lent to libraries outside of Massachusetts.....	368	525
Total.....	2,326	2,775
Applications refused:		
From libraries in Massachusetts.....	670	711
From libraries outside of Massachusetts.....	135	159
Total.....	805	870

The classified direct circulation of the branches was as follows, for two successive years:

	1929.		1930.	
	Volumes.	Percentage.	Volumes.	Percentage.
Fiction for adults.....	1,035,386	34.1	1,187,898	36.9
Nonfiction for adults.....	318,073	10.5	346,959	10.7
Juvenile fiction.....	1,163,730	38.3	1,151,244	35.4
Juvenile nonfiction.....	520,566	17.1	532,001	17

At the Central Library the classified direct circulation shows the following percentages:

	1929. Percentage.	1930. Percentage.
Fiction.....	45.8	45.2
Nonfiction.....	54.2	54.8

BOOK ACCESSIONS. BOOKS ACQUIRED BY PURCHASE.

	1929.	1930.
For the Central Library:		
From city appropriation.....	15,501	12,484
From trust funds income.....	7,390	4,511
	22,891	16,995
For branches:		
From city appropriations.....	70,446	80,529
From trust funds income.....	1,002	308
	71,448	80,837
Totals.....	94,339	97,832

The following statement includes the accessions by purchase combined with books received by gift or otherwise:

	Central.	Branches.	Total Volumes.
Accessions by purchase.....	16,995	80,837	97,832
Accessions by gift.....	17,017	1,860	18,877
Accessions by exchange.....	61	21	82
Accessions by periodicals, bound.....	1,302	43	1,345
Accessions by newspapers, bound.....	159	.....	159
Accessions by serials, bound.	232	.....	232
Totals	35,766	82,761	118,527

THE CATALOGUE.

	1929.		1930.	
	Volumes and Parts.	Titles.	Volumes and Parts.	Titles.
Catalogued (new):				
Central Library Catalogue.....	27,203	17,924	30,108	21,508
Serials.....	6,702	.....	6,004	.....
Branches.....	60,253	53,545	86,319	76,127
Recatalogued.....	15,890	8,412	9,213	6,247
Total.....	110,048	79,881	131,644	103,882

SHELF DEPARTMENT.

The number of volumes shelved and thus made available for public use, taken from the report of the Shelf Department, is:

Placed on the Central Library shelves during the year:	
General collection, new books (including continuations)	25,623
Special collections, new books and transfers	3,088
Books reported lost or missing in previous years but now found, transfers from branches, etc.	1,946
	30,657
Removed from Central Library shelves during the year:	
Books reported lost or missing, condemned copies not yet replaced, transfers, etc.	14,042
Net gain at Central Library	16,615
Net gain at branches	26,585
Placed in Business Branch	8,008
Net gain, entire library system	51,208

The total number of volumes available for public use at the end of each year since the formation of the library is shown in the following statement:

1852-53	9,688	1892	576,237
1853-54	16,221	1893	597,152
1854-55	22,617	1894	610,375
1855-56	28,080	1895	628,297
1856-57	34,896	1896-97	663,763
1857-58	70,851	1897-98	698,888
1858-59	78,043	1898-99	716,050
1859-60	85,031	1899-1900	746,383
1860-61	97,386	1900-01	781,377
1861-62	105,034	1901-02	812,264
1862-63	110,563	1902-03	835,904
1863-64	116,934	1903-04	848,884
1864-65	123,016	1904-05	871,050
1865-66	130,678	1905-06	878,933
1866-67	136,080	1906-07	903,349
1867-68	144,092	1907-08	922,348
1868-69	152,796	1908-09	941,024
1869-70	160,573	1909-10	961,522
1870-71	179,250	1910-11	987,268
1871-72	192,958	1911-12	1,006,717
1872-73	209,456	1912-13	1,049,011
1873-74	260,550	1913-14	1,067,103
1874-75	276,918	1914-15	1,098,702
1875-76	297,873	1915-16	1,121,747
1876-77	321,010	1916-17	1,139,682
1877-78	345,734	1917-18	1,157,326
1878-79	360,963	1918-19	1,173,695
1879-80	377,225	1919-20	1,197,498
1880-81	390,982	1920-21	1,224,510
1881-82	404,221	1921-22	1,258,211
1882-83	422,116	1922-23	1,284,094
1883-84	438,594	1923-24	1,308,041
1884-85	453,947	1924-25	1,333,264
1885	460,993	1925	1,363,515
1886	479,421	1926	1,388,439
1887	492,956	1927	1,418,489
1888	505,872	1928	1,442,802
1889	520,508	1929	1,475,743
1890	536,027	1930	1,526,951
1891	556,283		
Volumes in entire library system			1,526,951
Volumes in the Business Branch			8,008
Volumes in the branches			441,936

These volumes are located as follows:

Central Library	1,079,170	Mattapan	12,051
Business Branch	8,008	Memorial	17,722
Allston	9,298	Mt. Bowdoin	11,692
Andrew Square	8,809	Mt. Pleasant	6,876
Boylston Station	8,558	Neponset	6,151
Brighton	20,757	North End	13,229
Charlestown	16,337	Orient Heights	6,830
City Point	9,360	Parker Hill	7,019
Codman Square	15,119	Roslindale	12,880
Dorchester	14,456	Roxbury Crossing	5,806
East Boston	22,749	South Boston	22,434
Fellowes Athenæum	39,288	South End	13,273
Hyde Park	31,259	Tyler Street	7,047
Jamaica Plain	18,476	Upham's Corner	15,100
Jeffries Point	6,135	West End	22,242
Kirstein	3,849	West Roxbury	19,963
Lower Mills	5,865		

THE BINDERY.

	1929.	1930.
Number of volumes bound in various styles.....	67,385	65,860
Magazines stitched.....	211	121
Volumes repaired.....	2,001	1,262
Volumes guarded.....	1,065	358
Maps mounted.....	103	126
Photographs and engravings, etc., mounted.....	6,891	7,534
Library publications folded, stitched and trimmed.....	119,174	111,086

THE PRINTING DEPARTMENT.

	1929.	1930.
Requisitions received and filled.....	197	163
Card Catalogue (Central Library):		
Titles (Printing Department count).....	6,768	8,670
Cards finished.....	105,409	91,597
Card Catalogue (branches):		
Titles (Printing Department count).....	840	688
Cards finished.....	54,638	67,974
Signs.....	263	213
Blank forms (numbered series).....	3,265,600	2,923,150
Forms, circulars and sundries (outside numbered series).....	61,350	50,320
Catalogues, pamphlets and bibliographical programmes.....	68,754	103,836

LECTURES — CONCERTS.

During the year there were given in the Lecture Hall 132 free lectures, concerts, and entertainments. These were given under the auspices of the library, the Brookline Bird Club, the Drama League, the Field and Forest Club, the Ruskin Club, and other organizations interested in presenting programs of an educational nature to the public. In all, the lectures numbered 99, of which 30 were on travel; 21, literature; 14, drama; 10, history; 8, art; 7, music; and 9, miscellaneous subjects. The larger number were illustrated with slides or motion pictures or a combination of both. The concerts given in the hall during 1930 were 33 in number, of which four were given through the generosity of Mrs. Elizabeth Sprague Coolidge. In addition to the

four given in the Central Library hall, Mrs. Coolidge extended her gift to two of the branch libraries, in each of which the same series of four concerts was given.

As in previous years, the Division of University Extension has held many of its classes in our Lecture Hall. The course of Lectures on the Concerts of the Boston Symphony Orchestra, which was again offered by the Massachusetts Division of University Extension in collaboration with the library, coincided in length with the season of the Boston Symphony. These lectures were again under the supervision of Richard G. Appel of the library staff, who had the generous cooperation of some of the composers and of other musicians. Prior to the opera season the Massachusetts Division of University Extension also offered a short course on the operas scheduled for presentation.

THE LECTURES OF 1930.

All lectures, except those marked with an asterisk (*), were illustrated with lantern slides or motion pictures.

- January 2. Unfrequented Trails in the Canadian Rockies. George H. Browne.
- January 5. Dramatic Reading of one-act plays. Isabella Taylor.
- January 5. Concert. Orchestra of the Lincoln House Association, Jacques Hoffman, Conductor.
- January 9. Oldest America the Newest Way. Henry Warren Poor. (Field and Forest Club Course.)
- January 11. Make-Believe, by A. A. Milne. Auspices of Community Service of Boston, Inc., and the Lend-a-Hand Masque.
- January 12. The Theatre in New England: Then and Now. Frank Chouteau Brown. (Drama League Course.)
- January 12. Folk Songs from Colorful Lands. In costume. Ellenor Cook. Accompanied by Camilla Edwards.
- January 13. Hawaii and her Volcanoes. Prof. George H. Barton. (Ruskin Club.)
- January 16. The Wild Flowers of New England. Franklin I. Jordan, A. R. P. S.
- January 19. Concert. Paul Hastings Allen, composer and pianist, Marjorie Gilchrist, soprano, and Einar Hansen, violinist.
- January 19. Concert. Seventeenth Century Ensemble.
- January 23. An Hour with American Sculptors. Marguerite Rand.
- January 26. * Clara Barton. Dr. P. H. Epler.
- January 26. America's Oldest Meeting House, the "Old Ship," Hingham. Rev. J. Harry Hooper.
- January 27. * The Poets of the Ruskin Country. Mrs. Herbert J. Gurney. (Ruskin Club.)
- January 28. Concert. Alexander Tansman, composer and pianist. In a program of his own compositions.
- January 30. The Falcon and the Lady. The Studio Club. Under the direction of Helen Adelaide Shaw.
- February 2. The Art of Florence. Mrs. Everett W. Varney.
- February 2. * A Message through Drama. Lucile Vandiver. Illustrated by a one-act play given by the Parker Memorial Players.

- February 6. Egypt: Ancient and Modern; its Art, Monuments, and Mysticism. Mme. Beale Morey. With lantern slides and music.
- February 9. Melodrama: the Palmy Days. Robert E. Rogers, A. M. (Drama League Course.)
- February 9. Italy: a land of sheer delight. Hugh Wallace Smith.
- February 10. * Observance of John Ruskin's Birth Anniversary. Agnes Knox Black, A. M. (Ruskin Club.)
- February 13. Motoring to our National Parks. Parker B. Field. (Field and Forest Club Course.)
- February 16. Switzerland: Peaks and People. Fletcher Briggs.
- February 16. Piano Recital. Elizabeth Siedoff.
- February 20. History of English Gardens. Katherine Brooks Norcross, landscape architect.
- February 23. * Vachel Lindsay. Lynn H. Harris, Ph. D. (American Poetry Association Course.)
- February 23. Concert. Alexander Romanesque, violinist.
- February 24. * England — The Home of John Ruskin. Mrs. Arthur Dudley Ropes. (Ruskin Club.)
- February 27. Thrills Among the Alps; Ascent of the Grépon, 1929. Bradford Washburn.
- March 2. * House Music Past and Present. Otto G. T. Straub.
- March 2. Concert. Boston Civic Symphony Orchestra. Joseph F. Wagner, Conductor.
- March 3. * Anne Hutchinson. Rev. Carroll Perry. Auspices of Massachusetts Society of the Colonial Dames of America.
- March 6. * How to Grow the Gladiolus. William E. Clarke.
- March 9. Important American Historical Pageants. Marie Ware Laughton, Director of the Out Door Players.
- March 9. Concert. Wheaton College Glee Club. Herbert J. Jenny, Conductor.
- March 10. * Virgil. In honor of the Virgil Observance this year. Joseph P. MacCarthy, Ph. D., D. D. (Ruskin Club.)
- March 10. * The Witchcraft Delusion. Rev. Carroll Perry. (Auspices of Massachusetts Society of the Colonial Dames of America.)
- March 13. A Naturalist in the Canadian Rockies. Dan McCowan. (Field and Forest Club Course.)
- March 15. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge. (At Municipal Building, South End.)
- March 16. Readings from Shakespeare. George Francis Pearson.
- March 16. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge.
- March 17. * Stratford and the Shakespeare Players. Sir Archibald Flower.
- March 17. * Dorothy Quincy and John Hancock. Rev. Carroll Perry. (Auspices of Massachusetts Society of the Colonial Dames of America.)
- March 20. Cape Cod: Past — Present — Future. Edwin A. Freeman.
- March 22. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge. (At Municipal Building, South End.)
- March 23. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge. (At Municipal Building, Roslindale.)
- March 23. * An Afternoon with Flowers. Birket Foster Letson.
- March 23. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge.
- March 24. * Ideals and Aims of Art in Massachusetts. C. Edward Newell. (Ruskin Club.)
- March 24. * The Tories and the Loyalists. Rev. Carroll Perry. (Auspices of Massachusetts Society of the Colonial Dames of America.)
- March 27. From Village to Metropolis; Boston, 1630-1850. Rev. Henry Wilder Foote.

- March 30. * Unemployment Today and the Way Out. William Trufant Foster.
- March 30. Concert. German Singing Society, A. L. Y. P. S. Under the direction of Erdine T. Oedel.
- April 3. The Strolling Players, under the direction of Helene Martha Boll, in two one-act plays.
- April 5. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge. (At Municipal Building, South End.)
- April 6. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge. (At Municipal Building, Roslindale.)
- April 6. Haiti, an Island of Contrasts. Arthur L. Sweetser.
- April 6. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge.
- April 7. * The Jean Berté Color Process. William J. Orchard. (Boston Club of Printing House Craftsmen Course.)
- April 8. The Birds of Northwest Greenland. W. Elmer Ekblaw, Ph. D., geographer. (Brookline Bird Club Course.)
- April 10. The Bay Colony Circle. Lyman V. Rutledge, D. D.
- April 12. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge. (At Municipal Building, South End.)
- April 13. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge. (At Municipal Building, Roslindale.)
- April 13. Neither Christian nor Pagan. Dorothy Adlow.
- April 13. Chamber Concert. London String Quartet. Generosity of Mrs. Elizabeth Sprague Coolidge.
- April 14. Ruskin and the Rhythmic Life. Jane Desmond. (Ruskin Club.)
- April 17. The Passion Play at Oberammergau. George L. Plimpton.
- April 20. * The Recovered Wagon in American Fiction. Eleanor Brooks Gulick, M. A.
- April 20. Music of the World. Mrs. Caroline King Hunt and assisting artists.
- April 23. * Modern English Composers. Hubert Foss.
- April 24. The Beauties of Switzerland. Mrs. Arthur Dudley Ropes.
- April 27. * Three Kinds of Poetry. Robert E. Rogers, A. M. (American Poetry Association Course.)
- April 27. Concert. The Waltham Musical Club. Augusto Vannini, Director.
- April 28. * The Abundant Life — Ruskin's Day and Ours. Arthur W. Gilbert, Ph. D. (Ruskin Club.)
- April 28. Concert. The Harvard University Orchestra, Pierian Sodality of 1808.
- May 6. Annual Meeting. (Ruskin Club.)
- May 14. A Historical Outline of Massachusetts to the End of the American Revolution. Mrs. George J. Putnam. (Auspices of National Society of the Colonial Dames of America.)
- June 9. * Demonstration of Psychiatric Work. Given by the Judge Baker Foundation. (Auspices of National Conference of Social Work.)
- October 2. The Copley Club Singers and Entertainers. Under the direction of Pauline Hammond Clark.
- October 5. The Passion Play of 1930. John C. Bowker, M. D.
- October 5. Jewish Music: a lecture. Professor S. Braslavsky. Part I. Secular Music and Jewish Folk Songs. Soloists. Boston Jewish Choral Society.
- October 6. * The Beautiful Friendships of Boston's Golden Age. Lilian Whiting. Music. (Ruskin Club.)
- October 9. Virginia, Historical and Beautiful. Edwin A. Freeman.

- October 12. * The World on the Eve of Columbus' Voyage. Rev. Carroll Perry.
- October 12. Colonial and Revolutionary Music. Alice Pope Taylor, assisted by Bessie Talbot Fosgate, soprano. In costume.
- October 16. "Dollarway" through the Orient. Walter W. Allerton. In Mandarin costume.
- October 19. * What Price Poetry? Laura Simmons.
- October 19. From Bach to Debussy. A Program of Piano Music, for Young People of All Ages. Persis Cox.
- October 20. Along the Florida Keys. Andrew Oliver, Ph. D. (Ruskin Club.)
- October 23. Chicken Itza: a Wonder-City of Yucatan. George Allan England.
- October 26. * Mark Twain; Humorist and Humanist. Caroline Ticknor.
- October 26. * The Aframerican in the "Allied Arts." Maud Cuney-Hare. Music illustrations by William Richardson.
- October 30. The Scenic Maritime Provinces. Arthur H. Merritt.
- November 2. * Early American Humorists and their Humor; with illustrative readings. Francis Henry Wade, M. D., Ph. D.
- November 2. Modern Decorative Art in Europe. Roger Gilman, A. M.
- November 3. * The Jew that Shakespeare Drew. Clayton Hamilton.
- November 6. A Chile Trip. Arthur L. Sweetser.
- November 9. * The Whirligig of Dramatic Taste. Robert E. Rogers, A. M. (Drama League Course.)
- November 9. Chamber Concert. Sulzen String Quartet.
- November 10. * Ruskin's Faith in God. Adelbert L. Hudson, D. D. (Ruskin Club.)
- November 10. Bird Song Recital. Edward Avis, bird mimic, whistler, violinist. (Brookline Bird Club Course.)
- November 13. Fortieth Anniversary Meeting of Massachusetts Library Club. Lectures: "Children's Books of the Season" by Alice M. Jordan, "The Great American Paradox" by H. Addington Bruce, M. A., and "Changing Ideals in Library Architecture" by Ralph Adams Cram, LL. D., Litt. D.
- November 13. Where Nature Smiles in Old Vermont. Percy A. Brigham. (Field and Forest Club Course.)
- November 15. Master Skylark. A Marionettes dramatization from John Bennett. Presented by Jean Mardin.
- November 16. * Dramatic Scenes from the Prophets: Amos, Isaiah, Jeremiah, Hosea. Mr. and Mrs. John Pratt Whitman. In costume.
- November 16. A Recital of Pianoforte Music and Poems of Robert Browning. Laura Huxtable Porter.
- November 20. The Lure of Alaska. Mrs. Adelbert Fernald.
- November 23. Japan, Progressive and Picturesque. Walter W. Allerton. In Japanese costume.
- November 23. Operatic and Ballad Recital. Mme. Alice Baschi and assisting artists.
- November 24. A Holiday in Europe. Mrs. Carl Watson. (Ruskin Club.)
- November 30. A Women Alone in Darkest Africa. Alice Howland Macomber.
- November 30. Concert. The Viking Male Chorus. August C. Hulten, Director.
- December 1. * The Real Bernard Shaw. Maurice Colbourne, author and actor.
- December 4. Unfamiliar Mediterranean. Charles Ernest White.
- December 7. Concert. Jane Leland Clarke, pianist and composer, and assisting artists.
- December 7. Concert. "The Nutcracker and the Mouseking" and "Christmas Songs." Eleanor Brigham, pianist, and assisting artists.
- December 8. * The Christmas Message, and Author's Readings. Henry Hallam Saunderson, D. D. (Ruskin Club.)

- December 8. * Mexican Art. Count Rene d'Harnoncourt. (Auspices American Federation of Arts.)
- December 11. The Romance of Germany. John George Bucher. (Contributed by the Bureau of Commercial Economics, Washington, D. C.)
- December 14. The Theatre of Yesterday and Tomorrow. Frank Chouteau Brown. (Drama League Course.)
- December 14. * Chants de France. The Soul of France through her Folklore. Mme. Jeanne Brondel Allen.
- December 15. A Cruise through the West Indies. J. Morton Kemp. (Ruskin Club.)
- December 18. * A Picture Drama of Noel. (Under auspices of Dramatic Department of Community Service of Boston, Inc.)
- December 21. Dickens' "Christmas Carol." Edward F. Payne.
- December 21. The First Christmas Tree; a Story of the Forest. Marguerite Rand. Music.
- December 28. * The Significance of Handcraft. Grace Carleton Mansfield. Illustrated with fabrics.
- December 28. Scotland in Song and Story. Mme. Beale Morey. With Scotch songs.
- December 29. The Romance of News Gathering. Alton H. Blackington. (Auspices of New England Association of America.)

EXHIBITIONS, 1930.

- | | | |
|----------|-----|---|
| January | 1. | No exhibitions scheduled during this period owing to the fact that the Exhibition Room was occupied by the Music Department during reconstruction of the Music Room. |
| January | 27. | Original sketches of musicians, by Lydia Hess. |
| March | 3. | Mounted plates and books selected from the 1929 accessions of the Division of Fine Arts, in observance of "Art Week in Boston." |
| March | 10. | Pictures of the Stratford-on-Avon Company, lent by Sir Archibald Flower. Supplementary exhibition of Shakespeare prints from the Division of Fine Arts and the Barton-Ticknor Room. |
| April | 7. | Negro art: pictures, oils, pastels, water colors, etchings, and two pieces of sculpture, the work of American negro artists. Lent by the Race Relations Commission of the Federal Council of Churches in America. |
| April | 14. | Musical publications of the Oxford University Press, New York City.
Studies in the dance: original drawings by Stella Bloch.
Original sketches by Edith Rudin.
Photographs and autographed letters of famous musicians, lent by Boaz Piller, of the Boston Symphony Orchestra. |
| May | 5. | "Printing for Commerce" and "Fifty Books of the Year," exhibits lent by the American Institute of Graphic Arts. |
| May | 19. | "Historic Business Houses of Boston." Photographs lent by Mrs. Fitz. |
| May | 26. | Boston Tercentenary Exhibition. Photographs, prints, and maps from the Barton-Ticknor Room, in observance of this tercentenary year.
Original water-color paintings of Boston, England, by W. Ratcliffe. Lent by the Grace Horne Galleries. |
| October | 8. | World War posters lent by Richmond C. Wight. (Placed in the Sargent corridor.) |
| December | 26. | Massachusetts Tercentenary medals and souvenirs, lent by Henry Schuhmacher. |

December 29. Eight original prints of the fifteenth and early sixteenth centuries, lent by the Boston Museum of Fine Arts.

SELECTED LIST OF GIFTS AND GIVERS.

- Ball, James D., Brookline. Six hundred and twenty-two colored lantern slides of scenes in New England.
- Boston Chess Club, Boston. Seventy-nine volumes, works on chess and chess playing, including *The Chess Monthly*, *The Chess Chronicle*, and eight volumes relating to chess by Franklin K. Young.
- Columbia Phonograph Company, New York City, New York. Twenty-two volumes of the "Masterworks" Series and two volumes of the Operatic Series, comprising one hundred and two phonograph records enclosed in portfolios.
- Fish, Frederick P., Boston. A collection of forty volumes on industrial problems and conditions, published by the National Industrial Conference Board. (For the Business Branch.)
- Florance, E. L., Dorchester. A miscellaneous collection of one hundred and sixty-two volumes on art, history, and literature, including twenty-six volumes of *Exposition de Beaux-Arts Salon, 1880-1903*; Schiller's and Goethe's works in German; and *Les Contes d'Andersen*, traduits en Français par Etienne Avenard.
- Great Britain Patent Office. London, England. Specifications for inventions. 112 volumes.
- Hale, Philip, Boston. A collection of ninety-seven volumes of plays and books on the theater and the art of drama. (For Brown Dramatic Collection.)
- Herschel, Clemens, Estate of. A portion of the library of the late distinguished hydraulic engineer, Clemens Herschel, comprising four hundred and twelve books, together with a quantity of magazines, pamphlets, clippings, blueprints and miscellaneous material, all on hydraulics and kindred subjects.
- King, George R., La Canada, California. A collection of six hundred and fifty pieces of standard organ music, comprising compositions by European and American composers (Guilmant, Franck, Faulkes, Truette, Kinder, Yon and others), from the library of the late Mrs. Florence Rich King, and given by her husband in her memory.
- Mrs. King, a Fellow of the American Guild of Organists, was well known among organists in Greater Boston. She played for several years at the Second Church in Dorchester, the First Baptist Church in Brookline, and at the Congregational Church in Wellesley.
- Lewisson, Walter Updike, Estate of. Five thousand nine hundred and sixty-four volumes and pieces comprising the Walter Updike Lewisson Collection of Washingtoniana.
- Lovewell, S. Harrison, Arlington. Consonance and dissonance. A discussion of the principles of harmonic dualism. The elementary textbook of harmony designed for use in schools. (Authorized translation from the German by S. Harrison Lovewell. In manuscript.)
- McKibbin, Miss Emily W., Boston. A collection of thirty-five volumes of works containing reproductions of paintings and sculpture by noted artists; *Faust von Goethe, Mit Bildern und Zeichnungen von A. V. Kreling, erster Theil, München*; and the American edition of Boydell's illustrations of the Dramatic Works of Shakespeare, by the most eminent artists of Great Britain. Restored and published with the original descriptions of the plates by Shearjashub Spooner, M. D., 2 volumes, New York, 1852.
- A large oak book stand for the display of the volumes.
- The books are all in folio and the greater number bound in full morocco.
- Nichols, Frederick, Estate of. Harvard College Class Reports. Twenty-one volumes of various years between 1873 and 1919, selected from the estate of the late Frederick Nichols. Lacking in the library collection.

- Page, Ellen E., Estate of. One hundred and twenty-four lantern slides consisting of scenes in Gibraltar, and cities in Spain, England and Italy. Also one hundred and thirty numbers of periodicals, Masters in Art and International Studio.
- Richards, Anna M. (Mrs. George E.), Estate of. A collection of twelve hundred and ninety-four volumes, comprising works of biography, history, horticulture, books of travel, and including a set of Dumas' works bound in half morocco, in forty-four volumes. (Given in memory of Dr. George E. Richards.)
- Saminsky, Lazare, New York City, New York. Full score of "Littanies des Femmes" in manuscript. (For the Brown Music Library.)
- Stone & Webster Engineering Corporation. Three hundred and eighty-three volumes for the Business Branch.
- Streeter, Dr. Edward C. A collection of three hundred and sixty-nine volumes of works on history, biography, fiction and travel, including Literature of Italy, 1265-1907, edited by Rossiter Johnson; Courtiers and favorites of Royalty, twenty volume edition limited to fifty copies; Hume's History of England, 8 volumes, London, 1767, and Goldsmith's England in four volumes, 1779.
- Victor Talking Machine Company, Camden, New Jersey. Forty-six volumes of "The Musical Masterpiece Series of Victor Records," comprising three hundred and fourteen phonograph records enclosed in portfolios. (For the Allen A. Brown Collection.)
- Wilson, Mrs. A. Chalmers, Osterville. A collection of twelve volumes, including Raccolta di Ercolano, di Pompei e di Stabia che ammiransi nel Museo Reale Borbonico, Napoli, 1843; Pen drawing and pen draughtsmen, by Joseph Pennell, London, 1920; Catalogue of the Secrétan Collection, 2 volumes, Paris, 1889; and two volumes of The Fables of LaFontaine illustrated by Gustave Doré.

OFFICIALS OF THE LIBRARY.

- Director, Charles F. D. Belden.
- Assistant Librarian Emeritus, Frank C. Blaisdell.
- Assistant Librarian, Frank H. Chase.
- Assistant Librarian, Theodore D. Money.
- Bates Hall Centre Desk, Newspaper and Patent Department:
Pierce E. Buckley, Chief.
- Bindery Department: James W. Kenney, Chief.
- Branch Department: Edith Guerrier, Supervisor of Branches.
- Catalogue Department: Samuel A. Chevalier, Chief.
- Children's Department: Alice M. Jordan, Supervisor of Work with Children.
- Editor: Zoltán Haraszti.
- Engineer and Janitor Department: William F. Quinn, Superintendent of Buildings.
- Information Office: John H. Reardon, Assistant in Charge.
- Issue Department: Thomas F. Brennan, Chief.
- Library Training Class: Bertha V. Hartzell, Supervisor.
- Ordering Department: Louis Felix Ramlett, Chief.
- Periodical Room: Francis J. Hannigan, Assistant in Charge.
- Printing Department: Francis Watts Lee, Chief.
- Registration Department: A Frances Rogers, Chief.
- Special Libraries Department: George S. Maynard, Chief.
- Statistical Department: Richard G. Hensley, Acting Chief.
- Stock Room: Timothy J. Mackin, Custodian.

Branch Librarians:

Allston, Katherine F. Muldoon.
Andrew Square, Elizabeth H. McShane.
Boylston, Lucia M. Stevens, *Acting Librarian*.
Brighton, Katrina M. Sather.
Business Branch, Mary W. Dietrichson.
Charlestown, Katherine S. Rogan.
City Point, Helen L. Morrissey.
Codman Square, Elizabeth P. Ross.
Dorchester, Marion C. Kingman.
East Boston, Theodora B. Scoff.
Faneuil, Gertrude L. Connell.
Fellowes Athenæum, Mary E. Ames.
Hyde Park, Grace L. Murray.
Jamaica Plain, Katie F. Albert.
Jeffries Point, Margaret A. Calnan.
Kirstein, Grace C. Brady.
Lower Mills, Isabel E. Wetherald.
Mattapan, Ada Aserkoff.
Memorial, Beatrice M. Flanagan.
Mount Bowdoin, Pearl B. Smart.
Mount Pleasant, Margaret H. Reid.
Neponset, Margaret I. McGovern.
North End, Mary F. Curley.
Orient Heights, Catherine F. Flannery.
Parker Hill, Mary M. Sullivan.
Roslindale, Annie M. Donovan.
Roxbury Crossing, Edith R. Nickerson.
South Boston, M. Florence Cufflin.
South End, Clara L. Maxwell.
Tyler Street, Sara L. Lyon.
Uphams Corner, Beatrice C. Maguire.
West End, Fanny Goldstein.
West Roxbury, Carrie L. Morse.

ORGANIZATION OF THE LIBRARY DEPARTMENT.

The Trustees of the Public Library of the City of Boston, organized in 1852, are now incorporated under the provisions of chapter 114 of the Acts of 1878, as amended. The Board for 1852 was a preliminary organization; that for 1853 made the first annual report. The Board at present consists of five citizens at large, appointed by the Mayor for five-year terms, the term of one member expiring each year. The following citizens at large have been members of the Board since its organization in 1852:

Abbott, Gordon, A. B., 1926–
Abbott, Samuel Appleton Browne, A. M., 1879–95.

Appleton, Thomas Gold, A. M., 1852-56.
 Benton, Josiah Henry, LL. D., 1894-1917.
 Bigelow, John Prescott, A. M., 1852-68.
 Bowditch, Henry Ingersoll, M. D., 1865-67.
 Bowditch, Henry Pickering, M. D., 1894-1902.
 Boyle, Thomas Francis, 1902-12.
 Braman, Jarvis Dwight, 1869-72.
 Brett, John Andrew, LL. B., 1912-16.
 Buxton, Francis William, A. B., 1928-
 Carr, Samuel, 1895-96, 1908-22.
 Chase, George Bigelow, A. M., 1876-85.
 Clarke, James Freeman, D. D., 1879-88.
 Coakley, Daniel Henry, 1917-19.
 Connolly, Arthur Theodore, 1916-
 Currier, Guy Wilbur, 1922-1930.
 Curtis, Daniel Sargent, A. M., 1873-75.
 De Normandie, James, D. D., 1895-1908.
 Dwight, Thomas, M. D., 1899-1908.
 Dwinnell, Clifton Howard, B. S., 1927-28.
 Everett, Edward, LL. D., 1852-64.
 Frothingham, Richard, LL. D., 1875-79.
 Gaston, William Alexander, LL. B., 1923-27.
 Green, Samuel Abbott, M. D., 1868-78.
 Greenough, William Whitwell, 1856-88.
 Haynes, Henry Williamson, A. M., 1880-94.
 Hilliard, George Stillman, LL. D., 1872-75; 1876-77.
 Kenney, William Francis, A. M., 1908-21.
 Kirstein, Louis Edward, 1919-
 Lewis, Weston, 1868-79.
 Lewis, Winslow, M. D., 1867.
 Lincoln, Solomon, A. M., 1897-1907.
 Mann, Alexander, D. D., 1908-23.
 Morton, Ellis Wesley, 1870-73.
 Murray, Michael Joseph, LL. B., 1921-26.
 Pierce, Phineas, 1888-94.
 Prince, Frederick Octavius, A. M., 1888-99.
 Putnam, George, D. D., 1868-77.
 Richards, William Reuben, A. M., 1889-95.
 Sedgwick, Ellery, A. B., LITT. D., 1930-
 Shurtleff, Nathaniel Bradstreet, LL. D., 1852-68
 Thomas, Benjamin Franklin, LL. D., 1877-78.
 Ticknor, George, LL. D., 1852-66.
 Walker, Francis Amasa, LL. D., 1896.
 Whipple, Edwin Percy, A. M., 1868-70.
 Whitmore, William Henry, A. M., 1885-88.
 Winsor, Justin, LL. D., 1867-68.

The Hon. Edward Everett was president of the Board from 1852 to 1864; George Ticknor, in 1865; William W. Greenough, from 1866 to April, 1888;

Prof. Henry W. Haynes, from May 7, 1888, to May 12, 1888; Samuel A. B. Abbott, May 12, 1888, to April 30, 1895; Hon. F. O. Prince, October 8, 1895, to May 8, 1899; Solomon Lincoln, May 12, 1899, to October 15, 1907; Rev. James De Normandie, January 31, 1908, to May 8, 1908; Josiah H. Benton, May 8, 1908, to February 6, 1917; William F. Kenney, February 13, 1917, to May 7, 1920; Rev. Alexander Mann, May 7, 1920, to January 22, 1923; Msgr. Arthur T. Connolly, April 13, 1923, to June 13, 1924; Louis E. Kirstein, June 13, 1924, to June 19, 1925; Hon. Michael J. Murray, June 19, 1925, to July 2, 1926; Guy W. Currier, July 2, 1926, to May 2, 1927; Msgr. Arthur T. Connolly, May 2, 1927, to June 22, 1928; Louis E. Kirstein, June 22, 1928, to June 21, 1929; Gordon Abbott, June 21, 1929, to June 20, 1930; Frank W. Buxton since June 20, 1930.

LIBRARIANS.

(From 1858 to 1877, the chief executive officer was called Superintendent; since 1923, Director.)

Capen, Edward, Librarian, May 13, 1852–December 16, 1874.

Jewett, Charles C., Superintendent, 1858–January 9, 1868.

Winsor, Justin, LL. D., Superintendent, February 25, 1868–September 30, 1877.

Green, Samuel A., M. D., Trustee, Acting Librarian, October 1, 1877–September 30, 1878.

Chamberlain, Mellen, LL. D., Librarian, October 1, 1878–September 30, 1890.

Dwight, Theodore F., Librarian, April 13, 1892–April 30, 1894.

Putnam, Herbert, LL. D., Librarian, February 11, 1895–April 30, 1899.

Whitney, James L., A. M., Acting Librarian, March 31, 1899–December 21, 1899; Librarian, December 22, 1899–January 31, 1903.

Wadlin, Horace G., LITT. D., Librarian, February 1, 1903–March 15, 1917; Acting Librarian, March 15, 1917–June 15, 1917.

Belden, Charles F. D., A. M., LL. B., LITT. D., Director, since March 15, 1917.

LIBRARY SYSTEM, JANUARY 1, 1931.

DEPARTMENTS.	OPENED.	
† Central Library, Copley square	May	2, 1854
† East Boston Branch, 276-282 Meridian street	January	28, 1871
§ South Boston Branch, 372 Broadway	May	1, 1872
[† Fellowes Athenaeum Branch, 46 Millmont street	July	16, 1873
† Charlestown Branch, 43 Monument square	January	5, 1874
† Brighton Branch, Academy Hill road	January	5, 1874
‡ Dorchester Branch, Arcadia, corner Adams street	January	25, 1875
‡ Lower Mills Branch, Washington, corner Richmond street	* June	7, 1875
‡ South End Branch, 65 West Brookline street	August,	1877
† Jamaica Plain Branch, Sedgwick, corner South street	September,	1877
‡ Roslindale Branch, 4210 Washington street	* December	3, 1878
† West Roxbury Branch, 1961 Centre street	* January	6, 1880
§ Mattapan Branch, 7 Babson street	* December	27, 1881
† North End Branch, 3A North Bennet street	* October,	1882
§ Neponset Branch, 362 Neponset avenue	* January	1, 1883
§ Mt. Bowdoin Branch, 275 Washington street	* November	1, 1886
§ Allston Branch, 161 Harvard avenue	* March	11, 1889
‡ Codman Square Branch, Washington, corner Norfolk street	* November	12, 1890
‡ Mt. Pleasant Branch, Vine, corner Dudley street	* April	29, 1892
‡ Tyler Street Branch, Tyler, corner Oak street	* January	16, 1896
† West End Branch, 131 Cambridge street	February	1, 1896
‡ Uphams Corner Branch, 500 Columbia road	* March	16, 1896
‡ Memorial Branch, corner Warren and Townsend streets	* May	1, 1896
§ Roxbury Crossing Branch, 208 Ruggles street	* January	18, 1897
§ Boylston Station Branch, 160 Lamartine street	* November	1, 1897
§ Orient Heights Branch, 5 Butler street	* June	25, 1901
‡ City Point Branch, Municipal Building, Broadway	* July	18, 1906
§ Parker Hill Branch, 1518 Tremont street	* July	15, 1907
† Hyde Park Branch, Harvard avenue, corner Winthrop street	January	1, 1912
† Faneuil Branch, 100 Brooks street	* March	4, 1914
§ Andrews Square Branch, 394 Dorchester street	* March	5, 1914
§ Jeffries Point Branch, 195 Webster street	* October	15, 1921
** Baker Library, Harvard Graduate School of Business Administration	January	15, 1927
† Kirstein Memorial Library: Business Branch first and second floors; Kirstein Branch third floor	May	7, 1930

† In the case of the Central Library and some of the branches the opening was in a different location from that now occupied. * As a delivery station. † In building owned by City, and exclusively devoted to library uses. ‡ In City building, in part devoted to other municipal uses. § Occupies rented rooms. [† The lessee of the Fellowes Athenaeum, a private library association. ** Under agreement with Harvard.

TRUSTEES OF THE PUBLIC LIBRARY ON
JANUARY 1, 1931.

FRANK W. BUXTON, *President.*

Term expires April 30, 1935.

GORDON ABBOTT.

Term expires April 30, 1931.

ELLERY SEDGWICK.

Term expires April 30, 1933.

ARTHUR T. CONNOLLY.

Term expires April 30, 1932.

LOUIS E. KIRSTEIN.

Term expires April 30, 1934.

CHARLES F. D. BELDEN, *Director.*



ANNUAL REPORT
OF THE
MARKET DEPARTMENT
FOR THE YEAR ENDING DECEMBER 31, 1930.

BOSTON, March 6, 1931.

HON. JAMES M. CURLEY,
Mayor of Boston.

DEAR SIR,— In conformity with section 24 of the Revised Ordinances, I hereby submit the annual report of the Department of Markets for the year ending December 31, 1930.

The work of the department is of routine nature. The department has cooperated with the Health Department in carrying out the rules and regulations as have been adopted for the protection of the public in the food which is offered for sale within the Faneuil Hall Market limits. Such foods have been of excellent quality and we have been called upon to condemn very small quantities of such supplies as have been unfit to be used as human food.

LEASES.

During the year the department issued new leases for a term of five years from October 1, 1929, to October 1, 1934, at a reduction of 35 per cent. All stalls and cellars in the market are now leased and the rents promptly paid.

STATISTICS.

During the year the department found it necessary to condemn and destroy:

Squash . . .	400 pounds.	Ducks . . .	75 pounds.
Potatoes . . .	300 pounds.	Rabbits . . .	90 pounds.
Strawberries . .	175 crates.	Pork . . .	120 pounds.
Corn . . .	1,200 boxes.	Fish . . .	220 pounds.
Beef . . .	600 pounds.		

Police connected with the Faneuil Hall Market made sixteen arrests for various offences within the Faneuil Hall Market limits.

The department found it necessary to put off South Market street and State street 275 speculators who had in their possession personal produce they had purchased outside the State of Massachusetts, and were attempting to sell the same as part of their own produce from their own farms. After an investigation it was found that they were not farmers but were purchasing the same outside the State of Massachusetts.

INCOME.

Faneuil Hall Market, cellars and stalls . . .	\$76,270 56
New Faneuil Hall Market	19,928 78
	<u>\$96,199 34</u>

APPROPRIATION.

The appropriation of the market for the year ending December 31, 1930, was \$17,557.67, and this was expended as follows:

Personal service	\$15,052 67
Services other than personal	2,054 03
Equipment	21 68
Supplies	292 97
Materials	18 72
	<u>\$17,440 07</u>
Balance unexpended	<u>\$117 60</u>

Respectfully yours,

AMBROSE WOODS,
Superintendent.



ANNUAL REPORT
OF THE
PARK DEPARTMENT
FOR THE
YEAR ENDING DECEMBER 31, 1930.

Boston, December 31, 1930.

HON. JAMES M. CURLEY,
Mayor of Boston.

DEAR SIR,— In accordance with section 15 of chapter 185, Acts of 1875, the Park Commission herewith submits its annual report for the year 1930.

Respectfully submitted,

WILLIAM P. LONG,
Chairman.

**Expenditures Under the Maintenance Appropriations by Items of
the Segregated Budget, from January 1, 1930, to December
31, 1930.**

A. PERSONAL SERVICE AS PER SCHEDULE A .	\$1,261,756	31
B. SERVICE OTHER THAN PERSONAL . .	235,593	42
C. EQUIPMENT	45,457	26
D. SUPPLIES	117,138	98
E. MATERIALS	59,956	25
F. SPECIAL ITEMS	4,480	27
G. MISCELLANEOUS	51,610	50
Total	<u>\$1,775,992</u>	<u>99</u>

Expenditures for Maintenance, January 1 to December 31, 1930.

Abraham Lincoln square	\$80	81
Algonquin square	178	80
Alvah Kittredge park	161	00
Andrew Henry square	102	50
Aquarium	51,512	01
Arborway	11,356	93
Arnold Arboretum	5,122	87
Belmont square	532	50
Berners square	25	00
Berwick park	162	50
Blackstone square	5,304	96
Boston Common	47,163	52
Bromley park	447	95
Camp Meiggs	326	15
Cedar square	844	46
Centervale park	91	00
Central square	542	00
Charlesbank	18,391	80
Charlestown Heights	4,039	89
Chestnut Hill park	13,582	39
City Hall grounds	1,525	20
City square	927	50
Columbia road	9,390	09
Columbus square	113	50
Commonwealth avenue	30,526	99
Concord square	513	20
Copley square	1,594	63
Copp's Hill terraces	3,824	17
Cornelius T. Mahoney square	164	86
Dorchester park	2,763	97
Drohan square	167	75
<i>Carried forward</i>	<u>\$211,480</u>	<u>90</u>

<i>Brought forward</i>	\$211,480 90
Eaton square	311 21
Edward Everett square	35 00
Edward M. Cunningham square	177 21
Elm Hill park	198 50
Essex square	184 11
Fens	27,505 55
Florida street	141 55
Fort Hill square	2,565 08
Francis G. Hanlon square	582 03
Francis G. Kane square	73 30
Franklin park	231,640 93
Franklin square	3,161 60
Fred C. W. Olsen square	57 50
General Heath square	152 10
Gordon E. Denton square	53 50
Greenwood square	124 50
Gustav Emmett square	58 50
Hayes square	292 00
Herbert J. Wolf square	84 50
Highland park	926 89
Horace C. Woodworth square	53 00
Horatio Harris park	3,497 88
Independence square	1,590 08
Irving W. Adams park	641 42
John Donovan park	969 34
Lieut. Parker B. Jones square	70 50
Lincoln square	614 55
Linwood park	95 00
Longwood park	347 80
Madison park	2,545 98
Marine park	23,143 39
Massachusetts avenue	3,064 84
Maverick square	137 50
Mt. Bowdoin green	355 25
Oak square	139 00
Oakview terrace	171 45
Olmsted park	24,602 07
Orchard park	1,886 94
Prescott square	132 50
Public Garden	40,462 12
Public golf course	7,897 88
Putnam square	137 50
Richardson square	551 75
Riverway	19,552 96
Rutland square	355 72
Savin Hill park	801 77
Seaver street	48 00
<i>Carried forward</i>	\$613,672 65

<i>Brought forward</i>	\$613,672 65
Soldiers Monument lot	276 30
Spaulding square	73 00
Statler park	493 00
St. Stephen square	67 50
Strandway and Columbus park	18,517 35
Sullivan square	1,417 24
Thomas park	3,079 60
Tremlett square	205 50
Union park	413 17
Vincent Cutillo park	4,274 67
Walnut park	111 50
Waltham square	173 77
Warren square	157 40
Washington park	3,904 98
Webster square	68 50
Wellesley park	542 45
West Roxbury Parkway	771 63
William B. Corbett park	1,084 71
Williams square	89 00
Winthrop square	2,417 07
Wolcott square	128 20
Worcester square	1,071 74
World War Memorial park	24,184 88
Zoological Gardens	108,205 41
Arthur F. McLean park	1,186 50
Billings Field Playground	8,064 46
Brookside Avenue Playground	3,244 15
Ceylon Street Playground	2,532 11
Charlestown Playground	7,751 06
Cherry Street Playground	1,471 67
Christopher Gibson Playground	3,730 95
Christopher J. Lee Playground	7,467 87
Columbus Park Playground	9,787 06
Eagle Hill (American Legion Playground)	812 60
Fallon Field Playground	6,855 14
Francis Parkman Playground	2,819 38
Franklin Field Playground	22,531 48
Frederick D. Emmons Playground	4,483 90
George H. Walker Playground	4,531 08
Jefferson Playground	2,041 72
James L. Cronin Playground	4,981 41
James F. Healy Playground	6,593 85
John J. Connolly Playground	7,789 70
John A. Doherty Playground	1,779 02
John F. Holland Playground	4,600 27
John H. L. Noyes Playground	4,798 92
J. M. and J. J. Sullivan Playground	3,337 75
<i>Carried forward</i>	\$908,593 27

<i>Brought forward</i>	\$908,593	27
John W. Murphy Playground	11,270	68
John Winthrop Playground	3,525	96
Lester J. Rotch Playground	6,033	79
Mary E. Hemenway Playground	3,049	89
Mattapan Playground	3,158	78
Matthew J. Sweeney Playground	2,620	76
McConnell Park Playground	3,808	88
Mission Hill Playground	6,537	70
Paris Street Playground	787	96
Portsmouth Street Playground	7,318	11
Prince Street Playground	9,831	89
Readville Playground	1,928	87
Dunbar Avenue Playground	146	87
Nashua Street Playground	311	94
Rev. Father Buckley Playground	369	56
Ripley Playground	1,387	50
Rogers Park Playground	6,382	74
Ronan Park Playground	7,497	60
Smith's Pond Playground	6,081	49
Stanley A. Ringer Playground	4,896	38
Tyler Street Playground	3,179	64
West Third Street Playground	2,667	25
William Eustis Playground	7,237	48
William J. Barry Playground	2,669	22
William E. Carter Playground	5,271	12
William H. Garvey Playground	5,655	34
William F. Smith Playground	5,397	64
William Amerena Playground	3,507	70
Webster Street Playground	174	45
Property, C and Athens streets	61	16
Cabot Street Gymnasium and Bath	42,821	01
Columbia Road Gymnasium and Bath	11,646	35
Curtis Hall Gymnasium and Bath	14,145	25
Hyde Park Gymnasium and Bath	8,541	03
Lexington Street Gymnasium and Bath	9,331	51
North Bennet Street Gymnasium and Bath	27,413	89
Paris Street Gymnasium and Bath	24,921	91
Roslindale Gymnasium and Bath	8,224	92
Tyler Street Gymnasium and Bath	7,193	58
Vine Street Gymnasium and Bath	10,633	39
West Brookline Street Gymnasium and Bath	15,098	94
Columbus Park Beach Bath	28,929	27
Dewey Beach Bath	8,497	63
Dover Street Bath and Laundry	81,491	01
Freeport Street Bath	4,582	40
L Street Bath	39,006	15
Marine Park Beach Bath	17,249	35

Carried forward \$1,391,089 21

<i>Brought forward</i>	\$1,391,089 21
North End Beach Bath and Laundry	22,383 03
Savin Hill Beach Bath	7,235 33
Tenean Beach Bath	6,643 77
Broadway Building Showers	17,391 92
World War Memorial Park Beach and Bath	8,600 84
Repair Room, Sewing Squad and Stock Room,	25,159 09
Repair Yard, East Boston	6,926 22
Airport, East Boston	55,795 20
General expenses:	
Central office — Administration	73,846 43
Suppression of moths	25,144 92
Automobiles and tractors, etc.	79,029 60
Stables	14,625 17
Street trees	23,392 02
Miscellaneous	2,759 97
Celebrations and entertainments	11,490 00
Pensions and annuities	4,480 27
	\$1,775,992 99

RECAPITULATION.

Parks and gardens	\$785,401 22
Playgrounds	245,899 24
Gymnasias	180,032 94
Baths and beaches	274,096 01
General expenses	223,278 38
Airport, East Boston	55,795 20
Celebrations and entertainments	11,490 00
	\$1,775,992 99

**Expenditures of Loan, Revenue and Special Appropriations from
January 1, 1930, to December 31, 1930.**

Airport, Grading, etc.	\$1,275 50
Airport, Improvements	259,112 69
Almont Street Playground, Field House	20,097 20
Amerena Park and Paris Street Playground, East Boston, Playground and Locker Building	13,752 29
Animals, Birds, etc.	9,757 22
Aquarium, Improvements, etc.	4,190 62
Arnold Arboretum, Improvements	5,031 93
Barry Playground, Field House	15,692 00
Boston Common and Public Garden, Improvements	28,018 18
Columbus Park Improvements	47 90
Columbus Park and Strandway, Improvements, etc.	334,532 36
Fens, Improvements	10,641 85
Francis Parkman Playground, Building	10,823 27
Franklin Park, Improvements	102,208 33
Granolithic Walks, Columbia Station to the Fens	12,715 52
Highland Park, Improvements	12,969 86
Jefferson Playground, Locker Building, Grading, etc.	16,026 72
John A. Doherty Playground, Locker Building	35,939 45
Land, Vicinity of Leverett and Nashua Streets	25,000 00
Longwood Park, Improvements, Roxbury	823 35
Madison Park, Improvements	315 00
Marine Park, Improvements, etc.	3,839 42
Muddy River and Leverett Pond, Improvements	60,140 15
Orient Heights Playground, Improvements	1,795 86
Playground, Eagle Hill District, East Boston	6,374 97
Playground, Faneuil District, Brighton	118 80
Playground, Fourth Section, East Boston, Land and Con- struction	200 00
Playground, Junction of Winthrop, Fairland and More- land Streets, Land and Construction	3,944 95
Playground, Mattapan	27 07
Playground, North End District, Vicinity of Foster Place and Foster Court	34 65
Playground, Vicinity of Dunbar Avenue	349 35
Playground, Webster Avenue Section, North End Park	215 69
Playground Purposes: Billings Field	785 07
Public Golf Course	11,945 02
Readville Playground, Field House	10,359 82
Reconstructing and Repairing Parkways and Roadways, by Contract	39,165 24
Riverway, Improvements	3,195 67
Tercentenary Memorial Gateway, etc.	41,866 25
Thomas Park, Improvements, South Boston	301 60
Washington Park, Improvements, Roxbury	962 40
Webster Avenue Playground, Improvements	5,568 58
William J. Barry Playground, Enlargement and Improve- ment	1,128 47
William H. Garvey Playground, Improvements	780 00
World War Memorial Park, Improvements, etc.	71,984 98
 Total	 <u>\$1,184,055 25</u>
 Randidge Fund, Income	 \$2,026 93
Transportation of Children, etc.	<u>4,983 47</u>

CASH RECEIPTS.

For Twelve Months Ending December 31, 1930.

PARK DIVISION.

From golf permits and use of lockers at Franklin Park	\$35,124 00	
From permits for openings, occupations, etc.	423 70	
From permits for sale of refreshments, novelties, etc.	817 46	
For use of towels and soap in playground houses	4,586 66	
For labor, suppression of gypsy and brown-tail moths	8,118 63	
For labor and use of equipment	105 00	
Commission on telephones	59 81	
Settlements and refunds	157 12	
Sale of animals	300 00	
From rents	26,420 74	
From French Fund, income	200 00	
Sinking Fund, receipts	8,665 67	
		\$84,978 79

BATH DIVISION.

For use of bathing suits, towels, etc.	\$43,733 40	
From rents	825 00	
Settlement of claim	133 29	
Commission on telephones	139 44	
		44,831 13
		\$129,809 92

Above receipts were credited as follows:

General revenue, city income	\$120,944 25	
Department appropriation	200 00	
Sinking Fund	8,665 67	
		\$129,809 92

Public Park and Playground Debt.

Liabilities.

Total loans outstanding December 31, 1930	\$4,617,000 00
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Resources.

Sinking funds, December 31, 1930	1,283,447 16
Net debt, December 31, 1930	
	\$3,333,552 84

Attendance at Playgrounds, Season of 1930.

NAME OF PLAYGROUND.	Attendance.
William Amerena Playground.....	107,473
William J. Barry Playground.....	73,593
Billings Field Playground.....	142,091
William E. Carter Playground.....	887,700
Charlestown Playground.....	298,691
Charlestown Heights Playground.....	126,507
Charlesbank Men's Gymnasium.....	111,360
Columbus Park Playground.....	525,297
John J. Connolly Playground.....	467,682
James L. Cronin Playground.....	268,140
John A. Doherty Playground.....	570,711
Frederick D. Emmons Playground.....	42,730
Fallon Field Playground.....	715,800
Franklin Field Playground.....	847,860
William Eustis Playground.....	512,970
William H. Garvey Playground.....	156,930
James F. Healy Playground.....	185,721
John F. Holland Playground.....	148,652
Christopher J. Lee Playground.....	695,895
John W. Murphy Playground.....	158,367
Mission Hill Playground.....	870,100
Portsmouth Street Playground.....	147,220
Stanley A. Ringer Playground.....	101,539
Ronan Park Playground.....	337,146
Rogers Park Playground.....	138,641
Lester J. Rotch Playground.....	411,148
William F. Smith Playground.....	408,453
Smith's Pond Playground.....	148,795
Matthew J. Sweeney Playground.....	72,848
George H. Walker Playground.....	111,484
West Third Street Playground.....	37,026
World War Memorial Playground.....	796,655
John Winthrop Playground.....	103,526
John H. L. Noyes Playground.....	77,204
Total.....	10,705,955

Report on Municipal Golf Links at Franklin Park, Season of 1930.

Opening Date — April 10. Closing Date — December 4, 1930.

Registered attendance, 74,555.	
Number of rounds played, 100,000.	
Annual permits issued, 2,038 at \$10 each	\$20,380 00
Daily permits issued, 11,757 at \$1 each	11,757 00
Saturdays, Sundays, holidays, 368 at \$3 each	1,104 00
Lockers, 610 at \$3 each	1,830 00
Incidentals	53 00
Total	<u>\$35,124 00</u>

Franklin Park Toboggan Slide.

Number of days coasting:			Attendance:		
December	.	3 days.	December	.	7,500 persons.
January	.	4 days.	January	.	7,900 persons.
February	.	14 days.	February	.	36,100 persons
Total	.	21 days.	Total	.	51,500 persons.

Billings Field Toboggan Slide.

Number of days coasting:			Attendance:		
December	.	3 days.	December	.	1,800 persons.
January	.	4 days.	January	.	900 persons.
February	.	14 days.	February	.	2,100 persons.
Total	.	21 days.	Total	.	4,800 persons.

Gymnasia, Class and Individual Attendance, 1930.

	Indi- viduals.	Men.	School Boys.	Working Boys.	Women.	Girls.	Mothers.	Total
Cabot Street Gymnasium	2,120	2,046	1,957	423	1,044	2,655	.....	10,2
Columbia Road Gymnasium	4,170	7,870	6,925	3,620	7,370	6,795	1,343	38,0
Curtis Hall Gymnasium	965	2,373	5,306	820	2,646	3,575	1,634	17,3
Hyde Park Gymnasium	3,440	3,473	1,769	1,531	1,101	2,025	.....	13,3
John J. Williams Gymnasium . . . . .	.....	8,164	5,884	1,450	3,278	2,252	622	21,6
Lexington Street Gymnasium	6,230	4,345	1,390	3,035	942	2,445	3,140	21,5
North Bennet Street Gymnasium . . . . .	.....	2,659	2,850	418	316	2,086	.....	8,3
Paris Street Gymnasium	4,884	5,731	5,001	2,544	2,986	4,084	.....	25,2
Roslindale Gymnasium . . . . .	.....	3,303	4,982	3,045	1,016	5,010	.....	17,3
Tyler Street Gymnasium . . . . .	.....	1,314	1,716	408	403	1,742	.....	5,5
Vine Street Gymnasium . . . . .	.....	3,241	4,698	2,427	1,366	3,332	619	15,6
Total	21,809	44,519	42,478	19,721	22,468	36,001	7,358	194,3

Shower Baths, Attendance, 1930.

	Men.	Boys.	Women.	Girls.	Total.
Broadway Bath House.....	73,925	28,125	37,320	21,330	159,800
Cabot Street Bath House.....	45,811	21,790	11,577	16,888	96,066
Columbia Road Bath House.....	45,935	29,305	4,258	4,415	83,913
Curtis Hall Bath House.....	62,113	37,243	18,497	15,446	133,299
Dover Street Bath House.....	138,634	7,243	14,895	20,910	181,682
Hyde Park Bath House.....	20,750	9,620	3,919	5,036	39,325
J. J. Williams Building Bath.....	224,295	8,960	77,313	5,896	316,464
Lexington Street Bath.....	55,425	33,990	13,953	24,219	127,587
North Bennet Street Bath.....	122,895	38,905	68,730	35,465	265,995
Paris Street Bath House.....	196,185	23,310	69,280	13,395	302,170
Roslindale Bath House.....	22,770	6,360	2,270	2,800	34,200
Tyler Street Bath House.....	47,217	15,166	10,025	8,268	80,676
Vine Street Bath House.....	91,310	34,080	22,825	26,010	174,225
L Street Bath House.....	593,768	173,235	48,650	81,300	896,953
Totals.....	1,740,133	467,332	403,512	281,378	2,892,355

Beaches and Swimming Pools, Attendance, 1930.

	Men.	Boys.	Women.	Girls.	Total.
Cabot Street Pool.....	7,141	5,633	4,472	10,413	27,659
Curtis Hall Pool.....	5,488	17,218	7,097	9,471	39,274
Columbus Park Beach.....	166,657	220,130	180,065	244,060	810,912
Dewey Beach.....	39,110	77,365	38,145	72,170	226,790
Freeport Street Beach.....	8,520	14,166	9,830	14,745	47,261
Head House Beach.....	238,210	59,275	115,803	53,942	467,230
North End Park Beach.....	37,710	68,050	38,275	68,130	212,165
Savin Hill Beach.....	38,245	203,680	38,909	181,871	462,705
Tenean Beach.....	32,485	115,150	59,665	150,120	357,420
World War Memorial Park Beach,	19,650	51,450	25,630	45,380	142,110
L Street Beach.....	593,768	173,235	48,650	81,300	896,953
Totals.....	1,186,984	1,005,352	566,541	931,602	3,690,479

Park Department Statistics to December 31, 1930.

PARKS.	Year of Acquisition.	Cost to DATE.		Area.	Length of Drive-ways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction.						Totals.
MAIN PARK SYSTEM:								
Commonwealth avenue.....	1894-1905..	.....	\$507,419 43	112.7 acres	12.1 miles	11.9 miles		
Fens.....	1877-1879..	\$736,854 49	3,010,516 26	116.99 "	4.32 "	7.04 "	1.1 miles	22 acres
† Riverway.....	1883-1890..	457,457 53	775,345 41	40 "	1.4 "	2.8 "	1.2 "	8 "
† Olmsted Park.	1890-1892..	1,081,947 60	810,777 95	180 "	2.7 "	5.8 "	1.6 "	77 "
Arborway.....	1892.....	245,584 25	421,407 04	36 "	3.4 "	3.2 "	1.4 "	
Arnold Arboretum.....	1882-1895..	79,354 15	457,663 43	223 "	3.4 "	5.65 "	.....	0.6 acre
West Roxbury Parkway.....	1894.....	135,265 29	22,123 21	75.47 "	1 mile	2 "	1.04 "	
Franklin Park and Zoological Garden.....	1883-1884..	1,551,896 63	3,760,148 36	527 "	7.91 miles	14.9 "	1 mile	7.4 acres
MARINE PARK SYSTEM:								
Columbia road.....	1899.....	447,528 63	557,338 43	{ 109 " land 187.5 " flats }	4.2 "	4.5 "		
Dorchesterway.....	1892.....	63,735 54	93,804 34					
Strandway and Columbus Park.....	{ 1890-1892 1897-1901 }	772,515 12	2,253,063 54	{ 52.5 " land 4.9 " flats 25.7 " land 78.3 " flats 9.78 " land 50.55 " flats }	0.5 mile	1.39 "		
Marine Park and Aquarium..	1883.....	232,972 57	1,482,928 31					
!! Castle Island.....	1890.....	.....	65,390 91					
* McCONNELL PARK.....	1899-1914..	50,759 33	201,030 17					
SAVIN HILL PARK.....	1909.....	31,925 55	11,592 45	8.26 "				
* IRVING W. ADAMS PARK..	1919.....	50,000 00	19,513 59	0.78 acre				
** WORLD WAR MEMORIAL PARK.....	{ 1882-1891..	132,800 00	462,527 60	{ 55.6 acres land 155.4 " flats }	0.3 "	2.1 "		

CHARLESBANK.....	1883.....	373,916 99	374,832 65	748,749 64	10	"	.....	1.5	"
TRINITY TRIANGLE.....	1885.....	30,000 00	.....	30,000 00	0.12 acre				
CHARLESTOWN HEIGHTS, DEWEY BEACH.....	1891.....	50,538 02	154,217 56	204,755 58	{ 6.1 acres land 4.3 " flats}		.....	0.4 mile	
CHARLESTOWN PLAYGROUND,	1891.....	172,923 31	54,931 93	227,855 24	{ 13.14 " land 3.7 " flats}		.....	0.6 "	
DORCHESTER PARK.....	1891-1903..	64,165 37	32,091 18	96,256 55	30.4 "				
FRANKLIN FIELD.....	1892-1910..	157,341 22	194,228 38	351,569 60	77 "		0.65 mile	1.09 miles	
NORTH END BEACH.....	1893.....	328,364 44	314,438 25	642,802 69	{ 3.7 " land 3 " flats}				
* VINCENT CUTILLO PARK, NORTH END.....	1917.....	160,350 00	40,338 95	200,688 95	0.48 acre				
* WILLIAM B. CORBETT PARK, DORCHESTER CENTRE.....	1917.....	22,904 86	1,691 37	24,596 23	0.94 "				
COPP'S HILL TERRACE.....	1893.....	90,858 19	55,641 05	146,499 24	0.6 "		.....	0.11 mile	
§ CHESTNUT HILL PARK....	{ 1898-1899 } and 1902 }	210,239 06	34,866 92	245,105 98	55.4 acres		1.4 miles		
PLAYGROUND, SHAWMUT AVENUE, CHERRY STREET, SOUTH END.....	1922.....	108,004 78	16,995 22	125,000 00	0.55 acre				
PLAYGROUND, MATTAPAN DISTRICT, ALMONT STREET,	1924.....	11,095 24	42,989 09	54,084 33	17.81 acres				
PLAYGROUND, MISSION HILL,	1913-1915..	260,733 94	73,277 02	334,010 96	4.24 "				
Carried forward.....	.....	\$8,112,032 10	\$16,303,130 00	\$24,415,162 10	2,280.91 acres		43.28 miles	64.98 miles	7.34 miles 115.0 acres

* Named for soldier killed in World War.

** World War memorial.

† An additional area of 18 acres is within the limits of the town of Brookline.

‡ An additional area of 16 acres is within the limits of the town of Brookline.

|| Custody given to the city by Act of Congress.

§ 49 acres transferred from Water Department; an additional area of 160.65 acres, including water area of 122.7 acres, is under control of the Metropolitan Water and Sewerage Board.

Park Department Statistics to December 31, 1930.—Continued.

PARKS.	Year of Acquisition.	Cost to DATE.			Area.	Length of Drive-ways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction.	Totals.					
<i>Brought forward</i>.....	.....	\$8,112,032 10	\$16,303,130 00	\$24,415,162 10	2,280.91 acres	43.28 miles	64.98 miles	7.34 miles	115.0 acres
† JOHN F. HOLLAND PLAY- GROUND, ROXBURY.....	1917.....	13,700 00	29,297 16	42,997 16	1.07 "				
RONAN PARK PLAYGROUND, MT. IDA SECTION.....	1912-1916	101,957 78	105,315 92	207,273 70	11.65 "		0.83 miles		
* FREDERICK D. EMMONS PLAYGROUND, CHARLES- TOWN.....	1912.....	80,946 47	8,746 53	89,693 00	1.07 "				
PRINCE STREET PLAYGROUND,	{ 1897-1899 } { 1901-1902 }	180,474 70	8,304 61	188,779 31	0.4 acre				
TENEAN BEACH PROPERTY...	{ 1914-1928 } { 1915..... }	92,315 00	81,700 56	174,015 56	16.19 acres				
* WILLIAM F. SMITH PLAY- GROUND, NORTH BRIGHTON.	1894.....	22,107 12	30,802 77	52,909 89	14 "				
* WILLIAM H. GARVEY PLAYGROUND, NEPONSET...	1896.....	24,804 39	112,631 57	137,435 96	16.68 "				
BILLINGS FIELD, WEST ROX- BURY.....	1896-1906..	47,068 98	44,475 02	91,544 00	10.83 "		0.23 "		
*†CHRISTOPHER J. LEE PLAYGROUND, SOUTH BOSTON.....	1897.....	.....	128,092 19	128,092 19	5.2 "		0.4 "		
1 SPAULDING SQUARE.....	1897.....	4,000 00	.....	4,000 00					
ORCHARD PARK, ROXBURY...	.....	3,500 00	9,718 92	13,218 92	2.56 "				
WINTHROP SQUARE, CHARLESTOWN.....	.....	.....	2,445 98	2,445 98	0.88 acre				

MARY HEMENWAY PLAY- GROUND, DORCHESTER.....	1920.....	29,730 76	45,269 24	75,000 00	4.41 acres			
* WILLIAM J. BARRY PLAY- GROUND, CHARLESTOWN...	1897.....	202,463 00	109,927 81	312,390 81	5.27 "			
* J. M. AND J. J. SULLIVAN PLAYGROUND, ROXBURY...	1897.....	14,503 72	11,065 22	25,568 94	0.85 acre			
CHRISTOPHER GIBSON PLAY- GROUND, DORCHESTER.....	1897.....	37,709 58	60,042 75	97,752 33	4.34 acres			
* WILLIAM E. CARTER PLAYGROUND, ROXBURY...	{ 1899-1900 } { 1901-1902 }	327,503 84	62,305 62	389,809 46	5.02 "			
* JAMES L. CRONIN PLAY- GROUND, DORCHESTER.....	1899.....	43,990 09	9,000 00	52,990 09	2.24 "			
* F A L L O N FIELD PLAY- GROUND, ROSLINDALE.....	{ 1899-1913 } { and 1917 }	26,325 11	33,805 71	60,130 82	3.87 "	.....	0.20 "	
* JAMES F. HEALY PLAY- GROUND, ROSLINDALE.....	1902.....	25,166 75	15,000 00	40,166 75	9.63 "			
* LESTER J. ROTCH PLAY- GROUND, SOUTH END.....	1903.....	256,440 63	27,302 32	283,742 95	2.8 "			
* JOHN J. CONNOLLY PLAY- GROUND, ROXBURY.....	1903-1905...	.....	85,901 88	85,901 88	5.1 "			
2 ROGERS PARK, BRIGHTON..	1899.....	30,000 00	31,350 80	61,350 80	6.9 "	.....	0.44 "	
4 BERNERS SQUARE, ROX- BURY.....	1901.....	.....	294 70	294 70	1.31 "			
3 OAK SQUARE.....	1902.....	.....	1,279 89	1,279 89	0.22 acre			
CARROLL POND, WEST ROX- BURY.....	1921.....	.....	8,376 75	8,376 75	0.47 "			
Carried forward.....	.....	\$9,676,740 02	\$17,365,583 92	\$27,042,323 94	2,413.87 acres	43.28 miles	67.08 miles	7.34 miles
								115.0 acres

* Named for soldier killed in World War.

+ Transferred from and \$454.15 expended by the Public Grounds Department.

1 Transferred to Street Department and from Street Department to Public Grounds Department.

2 25,470 square feet transferred from and \$2,000 expended by the Public Grounds Department.

3 Transferred from and \$30,000 expended for land by the Public Grounds Department.

4 Acquired by gift.

Park Department Statistics to December 31, 1930.—Continued.

PARKS.	Year of Acquisition.	Cost to DATE.			Area.	Length of Drive-ways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction.	Totals.					
<i>Brought forward</i>.....	.....	\$9,676,740 02	\$17,365,583 92	\$27,042,323 94	2,413.87 acres	43.28 miles	67.08 miles	7.34 miles	115.0 acres
JOHN H. L. NOYES PLAY- GROUND, EAST BOSTON....	}1909.....	10,015 00	93,616 76	103,631 76	5.24 " land 3.07 " flats				
WEST THIRD STREET PLAY- GROUND, SOUTH BOSTON...	1909.....	10,201 30	4,000 00	14,201 30	0.28 acre				
*MATTHEW J.SWEENEY PLAY- GROUND, SOUTH BOSTON...	1909.....	10,201 30	4,597 40	14,798 70	0.47 "				
WILLIAM EUSTIS PLAY- GROUND.....	1909.....	116,220 06	79,971 46	196,191 52	7.60 acres				
JOHN WINTHROP PLAY- GROUND.....	1911.....	20,994 26	38,236 99	59,231 25	1.57 "				
*GEORGE H. WALKER PLAY- GROUND, DORCHESTER....	1912.....	22,011 33	40,406 41	62,417 74	6.21 "				
*STANLEY A. RINGER PARK, ALLSTON.....	1916.....	54,550 00	48,632 98	103,182 98	12.12 "				
*ARTHUR F. McLEAN PLAY- GROUND, EAST BOSTON....	1917.....	20,754 17	15,489 97	36,244 14	0.43 acre				
PARIS STREET PLAYGROUND..	1912.....	50,630 64	4,988 50	55,619 14	1.27 acres				
TYLER STREET PLAYGROUND,	1912.....	26,239 19	12,203 86	38,443 05	0.25 acre				
*JOHN W. MURPHY PLAY- GROUND, JAMAICA PLAIN...	1912-1919..	26,861 80	66,604 11	93,465 91	4.17 acres				
PORTSMOUTH STREET PLAY- GROUND.....	1912.....	15,000 00	30,547 87	45,547 87	4.29 "				
TOWN MEETING PARK, DOR- CHESTER.....	1921.....	5,859 00	2,889 53	8,748 53	0.22 acre				
GYMNASIUM, SOUTH BOSTON,	.....	40,000 00	8,500 00	48,500 00					

¹ MALLOCH'S WHARF, FREE- PORT STREET, DORCHESTER,	{ 1912.....	.....	28 00	28 00	1.15 acres land 2.54 " flats	
² FACTORY HILL PLAYGROUND,	1912.....	.....	8,837 89	8,837 89	5.2 "	
³ PAUL GORE STREET PLAY- GROUND.....	1913.....	.....	.....	.....	0.74 acre	
⁴ RIPLEY PLAYGROUND.....	1913.....	.....	13,465 75	13,465 75	0.86 "	
SMITH'S POND PLAYGROUND,	1914.....	.....	49,326 47	49,326 47	14.51 acres	
PLAYGROUND, CEYLON AND INTERVALE STREETS.....	1923.....	30,116 78	19,017 22	49,134 00	4.03 "	
AMERICAN LEGION PLAY- GROUND, EAST BOSTON....	1924.....	63,300 00	17,149 66	80,449 66	3.38 "	
PLAYGROUND, READVILLE, BULLARD, MILTON AND REGENT STREETS, HYDE PARK.....	1924.....	13,417 34	17,142 48	30,559 82	5.03 "	
JEFFERSON PLAYGROUND, HEATH, FLOYD AND CRAN- FORD STREETS, ROXBURY...	1924.....	67,329 80	34,446 92	101,776 72	7.51 "	
FRANCIS PARKMAN PLAY- GROUND, WACHUSETT STREET, FOREST HILLS....	1924.....	12,000 00	15,894 52	27,894 52	2.06 "	
REV. FATHER BUCKLEY PLAY- GROUND, SOUTH BOSTON...	1924.....	51,432 00	13,893 00	65,325 00	0.65 acre	
PLAYGROUND, WEBSTER AVENUE SECTION, NORTH END.....	1925.....	107,600 00	10,936 37	118,536 37	0.3 "	
STATLER PARK, PARK SQUARE DISTRICT.....	1925.....	352,200 90	15,918 88	368,119 78	0.25 "	
Carried forward.....	.....	\$10,803,674 89	\$18,032,326 92	\$28,836,001 81	2,509.27 acres	43.28 miles 67.08 miles 7.34 miles 115.0 acres

* Named for soldier killed in World War.
¹ Transferred from Public Works Department, Sanitary Service.
² Acquired by annexation of Hyde Park.
³ Transferred from School Department.
⁴ Acquired by gift.
⁵ Transferred from Metropolitan Park.

Park Department Statistics to December 31, 1930.—Concluded.

PARKS.	Year of Acquisition.	Cost to DATE.			Area.	Length of Drive-ways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction.	Totals.					
<i>Brought forward</i>.....	.....	\$10,803,674 89	\$18,032,326 92	\$28,836,001 81	2,509.27 acres	43.28 miles	67.08 miles	7.34 miles	115.0 acres
PLAYGROUND, BROOKSIDE AVENUE AND CORNWALL STREET.....	1925.....	11,600 00	17,651 25	29,251 25	1.32 "				
WILLIAM AMERENA PLAYGROUND, COTTAGE STREET DISTRICT, EAST BOSTON...	1925.....	37,949 50	31,992 52	69,942 02	4.06 "				
1 CENTERVALE PARK.....	1918.....	.....	.....	.....	0.22 acre				
LAND, VICTORY ROAD AND PARK STREET, DORCHESTER	1916.....	.....	.....	.....	10.35 acres				
JOHN A. DOHERTY PLAYGROUND.....	1897.....	.....	35,939 45	35,939 45	1.47 "				
BATHING BEACH, JEFFRIES POINT.....	.....	.....	896 38	896 38					
HIGHLAND PARK, FORT AVENUE AND BEECH GLEN STREET.....	.....	.....	15,626 07	15,626 07	3.64 "				
PUTNAM SQUARE, IMPROVEMENTS.....	.....	.....	1,193 50	1,193 50	0.27 acre				
BLACKSTONE SQUARE.....	.....	.....	910 00	910 00	2.41 acres				
LONGWOOD PARK, ROXBURY,	.....	.....	1,693 35	1,693 35	0.48 acre				
MASSACHUSETTS AVENUE....	.....	.....	2,000 00	2,000 00	2.45 acres				
AIRPORT, EAST BOSTON.....	1928.....	.....	682,077 03	682,077 03	256.00 "				

FRANKLIN SQUARE.....	.....	.....	.....	1,433 79	1,433 79				
INDEPENDENCE SQUARE.....	.....	.....	.....	950 40	950 40				
MADISON PARK.....	.....	.....	.....	2,832 80	2,832 80				
MAVERICK SQUARE.....	.....	.....	.....	18 55	18 55				
PRESCOTT SQUARE.....	.....	.....	.....	1,220 08	1,220 08				
THOMAS PARK.....	.....	.....	.....	2,032 10	2,032 10				
WORCESTER SQUARE.....	.....	.....	.....	9,745 32	9,745 32				
PLAYGROUND VICINITY OF DUNBAR AVENUE.....	1930.....	.....	.....	349 35	349 35	2.48 "			
PLAYGROUND, FANEUIL Dis- TRICT, BRIGHTON.....	1930.....	.....	.....	118 80	118 80.	6.46 "			
PLAYGROUND, FOURTH SEC- TION, EAST BOSTON.....	1930.....	.....	.....	200 00	200 00	1.14 "			
PLAYGROUND, NORTH END DISTRICT, VICINITY OF FOSTER PLACE AND Fos- TER COURT.....	1930.....	.....	.....	34 65	34 65	0.15 acre			
PLAYGROUND, JUNCTION OF WINTHROP, FAIRLAND AND MORELAND STREETS, LAND AND CONSTRUCTION.....	1930.....	.....	.....	3,944 95	3,944 95	1.88 acres			
LAND, VICINITY OF LEVERETT AND NASHUA STREETS.....	1930.....	25,000 00	.....	.....	25,000 00				
		\$10,878,224 39	\$18,845,187 26	\$29,723,411 65		2,685.94 acres	43.28 miles	67.08 miles	7.34 miles 115.0 acres

¹ Transferred from Public Works Department.
² Transferred from Street Laying-Out Department.
³ Formerly part of Christopher Gibson Playground, set apart and named, November 9, 1920.
Of the above total lengths of driveways, walks and rides, there have been completed to date, respectively, 40.8 miles, 60.9 miles and 6.3 miles.

PARK DEPARTMENT — CEMETERY DIVISION.

The following annual report is presented for the Cemetery Division from January 1, 1930, to December 31, 1930.

DEPARTMENT CEMETERIES.

The burying grounds, cemeteries and tombs which are owned by and in charge of the City of Boston are as follows, with a total area of about 7,040,708 square feet.

	Square Feet.
<i>Bennington Street, East Boston</i>	157,500
<i>Rainsford Island</i>	43,560
<i>Bunker Hill, Charlestown</i>	48,202
<i>Phipps Street, Charlestown</i>	76,740
<i>Copp's Hill, Hull street, City Proper</i>	89,015
<i>King's Chapel, Tremont street, City Proper</i>	19,344
<i>Granary, Tremont street, City Proper</i>	82,063
<i>Central, Common, City Proper</i>	60,693
<i>South End South, Washington street, City Proper</i>	64,670
<i>Hawes, Emerson street, South Boston</i>	11,232
<i>North, Upham's Corner, Dorchester</i>	142,587
<i>Eliot, Eustis street, Roxbury</i>	34,830
<i>South, Dorchester avenue, Dorchester</i>	95,462
<i>Westerly, Centre street, West Roxbury</i>	39,450
<i>Walter Street, West Roxbury</i>	35,100
<i>Mt. Hope, Walk Hill street, 125 acres and 14,330 square feet.</i>	
<i>Fairview Cemetery, Fairview avenue, Hyde Park, about fifty acres.</i>	
<i>Evergreen, Commonwealth avenue, Brighton, 604,520 square feet.</i>	
<i>Market Street, Brighton, 18,072 square feet.</i>	

CITY TOMBS.

Twenty-five in the South Ground; six in Phipps Street Ground, Charlestown; one tomb for infants in South Ground; one tomb for infants and one for adults in Copp's Hill Ground; one for adults and one for infants in the Granary Ground; one for infants in King's Chapel Ground; one for infants in the Central Ground; two receiving tombs in East Boston; one receiving tomb in Dorchester North; one receiving tomb in Dorchester South; one receiving tomb in Evergreen Cemetery, Brighton; one receiving tomb in Mt. Hope Cemetery and one receiving tomb in Fairview Cemetery, Hyde Park.

**Summary Statement of Cemetery Activities, January 1 to
December 31, 1930.**

CEMETERY.	Interments.	Lots Sold.	Graves Sold.	Lots in Perpetual Care.	Graves in Perpetual Care.	Lots in Annual Care.	Graves in Annual Care.	Foundations Built.	Preparing and Planting.	Various Orders.
Mt. Hope.....	1,507	205	368	3,774	1,312	27	38	323	119	70
Fairview.....	238	23	85	593	320	4	1	51	.....	20
Evergreen.....	131	12	65	492	1,055	20	9	65	3	15
Dorchester North.....	5	.....	.....	117	.....	5	.....	3	.....	3
Dorchester South.....	5	.....	.....	31	.....	.....	.....	1	.....	.....
Bennington Street.....	4	.....	.....	.....	.....	.....	.....	3	.....	.....
Copp's Hill.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Phipps Street.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Bunker Hill.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Central.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
	1,891	240	518	5,009	2,687	56	48	447	122	108

Cemetery Division Receipts, January 1 to December 31, 1930.

	General Receipts.	Perpetual Care Receipts.	Interest on Perpetual Care.
Mt. Hope.....	\$41,371 55	\$13,685 00	\$11,559 34
Fairview.....	8,091 75	3,115 00	2,528 56
Evergreen.....	6,838 55	4,457 00	3,235 59
Dorchester North.....	156 00	.....	431 59
Dorchester South.....	92 50	130 00	146 72
Bennington Street.....	73 50	—	—
Central.....	1 00	.....	100 00
Copp's Hill.....	15 00	.....	100 00
Granary.....	.....	.....	100 00
King's Chapel.....	.....	.....	100 00
Phipps Street.....	.....	.....	10 00
Westerly.....	.....	.....	207 42
Totals.....	\$56,639 85	\$21,387 00	\$18,519 22

Total, General Fund, December 31, 1929.....	\$1,059,129 81	
Interest, General Fund, 1930.....	42,219 02	
General receipts, 1930.....	56,639 85	
		\$1,157,988 68
Total, Perpetual Care Fund, December 31, 1929.....	\$458,671 21	
Perpetual care receipts, 1930.....	21,387 00	
		\$480,058 21
Total, Cemetery Fund.....		<u>\$1,638,046 89</u>

Department Expenditures 1930, as per Budget Sheet,
December 31, 1930.

A. PERSONAL SERVICE	\$134,558 65
B. SERVICE OTHER THAN PERSONAL	18,922 47
C. EQUIPMENT	6,047 04
D. SUPPLIES	10,591 45
E. MATERIALS	2,940 07
F. WORKINGMEN'S COMPENSATION	328 57
	<u>\$173,388 25</u>

Mt. Hope Cemetery, Extension and Development.

Appropriation, December 1, 1927	\$25,000 00
Expended, 1928	\$19,028 20
Expended, 1929	4,803 61
Expended, 1930, Marinucci Brothers	502 42
	24,334 23
Unexpended balance	<u>\$665 77</u>

Cemetery Division Expenditures for Maintenance, Year Ending
December 31, 1930.

Office	\$8,032 12
Park Department	6,125 20
Mt. Hope	106,177 14
Fairview	16,285 45
Evergreen — Market street	10,775 69
Dorchester North	3,766 42
Dorchester South	3,179 93
Hawes	93 64
Bennington Street	2,573 17
Bunker Hill	1,973 44
Central	1,589 55
Copp's Hill	2,726 76
Eliot	963 71
Granary	3,858 95
King's Chapel	1,994 31
Phipps Street	1,095 04
South End South	938 13
Union	939 02
Westerly	300 59
Total	<u>\$173,388 25</u>



ANNUAL REPORT
OF THE
PENAL INSTITUTIONS DEPARTMENT
FOR THE
YEAR ENDING DECEMBER 31, 1930.

BOSTON, January 1, 1931.

HON. JAMES M. CURLEY,
Mayor of Boston.

DEAR SIR,—In compliance with the provisions of chapter 3, section 24, of the Revised Ordinances of the City of Boston, the following report of the Penal Institutions Department is respectfully submitted.

The Penal Department consists of three units, the Central Office located at City Hall Annex, the House of Correction at Deer Island, and the Steamer "Michael J. Perkins."

The average population for the past year has been seven hundred thirty-three (733) as against seven hundred forty-six (746) the previous year.

During the year 1930, but one escape occurred. This inmate was at Long Island Hospital under observation. He was later recaptured and returned to the institution. I feel that the morale of the institution has been held absolutely on a high basis.

The erection of the new doctor's house and the reroofing and bracing of the old Administration Building is nearing completion and after a few minor details are worked out the doctor's house will be in use.

A new Gut house was built during the year 1930, but unfortunately it was destroyed by fire on December 23, 1930. Another Gut house will be erected during the next year of cement blocks.

Two wooden buildings, one used for the lifeboat, and one for the morgue, were removed from Shirley Gut, which gives a better vision from this point. Many sundry improvements were made by inmate labor, to wit:

The demolition of 103-foot stack, which was of no further use, the tearing down of the old stock barn, which was a fire menace, and the filling in of a pile bulkhead on the northeast side of the island. In addition many minor bits of work were accomplished.

Many new buildings could be used in an institution of this kind, and I recommend most sincerely the erection of a hospital in order that we might properly care for the inmate sick at our institution instead of sending them to Long Island Hospital.

At this time I wish to express my sincere gratitude for the courtesy and assistance given me by my predecessor, Mr. Philip A. Chapman and my thankfulness to the personnel of the entire department for their willingness to aid me in the carrying on of the work. Needless to say the cooperation of your Honor and the City Council has been very much appreciated.

Yours respectfully,

WILLIAM G. O'HARE,
Penal Institutions Commissioner.

FINANCIAL STATEMENT.

Expenditures, Receipts and Per Capita Cost of Maintenance for
Year Ending December 31, 1930.

	House of Correction.	Steamer "Michael J. Perkins."	Central Office.
Total expenditures.....	\$477,891 73	\$60,332 11	\$37,397 14
Total receipts.....	15,884 81	76 32	
Profits — industries.....	7,893 72		
Net cost.....	\$454,113 20	\$60,255 72	\$37,397 14
Average number cared for.....	733	.	
Net capita cost per year.....	\$619 52		
Per capita cost per week.....	\$11 91		
Per capita cost per day.....	\$1 73		

POPULATION STATISTICS — SUFFOLK COUNTY
HOUSE OF CORRECTION AT DEER ISLAND.

Men Committed Classified by Courts.

Superior	426
Roxbury	204
Central	994
Brighton	85
Charlestown	688
Dorchester	84
South Boston	605
West Roxbury	62
Chelsea	325
East Boston	107
Middlesex Superior	5
Third Middlesex District	18
Returned for violation of parole	64
Returned from escape	2
Transferred from:	
Prison Camp and Hospital	2
Suffolk County Jail	6
Bridgewater State Farm	4
Massachusetts Reformatory	43
Dedham Jail	2
Plymouth Jail	1
Worcester Jail	1
Greenfield Jail	1
Cambridge House of Correction	2
Total	<u>3,731</u>

Discharged During Year Ending December 31, 1930.

Expiration of sentence	2,417
Expiration of sentence and fine paid	363
Expiration of sentence and permit of Penal Commissioner	6
Permit of Penal Commissioner	771
Fine paid	65
Fine paid and permit of Penal Commissioner	34
Permit of Department of Correction	15
Discharged by order of court	2
Died	3
Escaped	1
Transferred to:	
East Cambridge House of Correction	1
Massachusetts Reformatory	2
Suffolk County Jail	6
Fitchburg Jail	25
Lawrence Jail	1
Prison Camp and Hospital	3
Total	<u>3,715</u>

Commitments Classified by Number of Former Commitments.

1	729
2	365
3	223
4	129
5	93
6	70
7	46
8	43
9	30
10 to 20	159
20 to 30	45
30 to 40	6
40 to 50	2
50 to 60	5
Total	<u>1,945</u>
Number serving first commitment	<u>1,786</u>
Total	<u>3,731</u>

Number Sentenced Classified by Education.

Read and write	3,652
Illiterate	79
Total	<u>3,731</u>

Men Committed Classified According to Age.

[illegible]

Men Committed Classified by Married and Unmarried.

[illegible]

Men Committed Classified by Length of Sentence.

[illegible]

Men Committed Classified by Nationalities.

FOREIGN.

Albania	1
Argentina	1
Armenia	6
Australia	1
Austria	4
Bermuda	0
Belgium	3
British Guiana	2
British West Indies	4
Canada	233
Cape Verde Islands	3
China	4
Denmark	7
England	32
Esthonia	1
Finland	4
France	4
Germany	6
Greece	13
Iceland	1
India	1
Ireland	529
Italy	93
Lithuania	38
Norway	4
Poland	68
Porto Rico	2
Portugal	9
Roumania	2
Russia	71
Scotland	19
Spain	4
South Africa	1
Sweden	9
Syria	7
Turkey	3
Total	<u>1,190</u>

Men Committed Classified by Nationalities.—Concluded.

UNITED STATES.

Alabama	5
Alaska	1
Arizona	1
Arkansas	5
California	5
Colorado	2
Connecticut	25
District of Columbia	8
Florida	7
Georgia	16
Indiana	4
Illinois	23
Iowa	1
Kansas	1
Kentucky	3
Louisiana	12
Maine	88
Maryland	8
Massachusetts	2,002
Michigan	6
Minnesota	4
Mississippi	2
Missouri	9
Montana	3
Nebraska	1
New Hampshire	41
New Jersey	14
New York	84
New Mexico	1
North Carolina	13
North Dakota	0
Ohio	17
Oklahoma	4
Oregon	1
Pennsylvania	29
Rhode Island	31
South Carolina	16
South Dakota	2
Tennessee	1
Texas	3
Vermont	14
Virginia	18
Washington	4
West Virginia	2
Wisconsin	3
Wyoming	1
Total	<u>2,541</u>

Men Committed Classified by Offence.

1. AGAINST THE PERSON.

Assault and battery	120
Assault and battery with dangerous weapon	14
Assault and battery with intent to rob	3
Assault and battery, indecent	11
Assault	9
Assault on police officer	8
Assault, indecent	2
Abuse of female child	7
Affray	2
Threats	10
Manslaughter	3
Total	<u>189</u>

2. AGAINST PROPERTY.

Larceny	358
Larceny, attempted	17
Larceny from the person	17
Larceny in building	6
Trespassing	56
Breaking and entering	42
Breaking and entering, attempted	4
Injury to personal property	5
Injury to building	6
Conspiracy	4
Fraudulently procuring entertainment at inn	2
Breaking glass	20
Receiving stolen goods	16
Fraudulent concealment	1
False representation	2
Evading fare	4
Fraud	2
Total	<u>562</u>

3. AGAINST CURRENCY.

Forgery	11
Uttering	3
Forgery and uttering	3
Total	<u>17</u>

4. AGAINST PUBLIC JUSTICE.

Violation of parole	99
Returned from escape	2
Perjury	1
Attempt to rescue prisoner	1
Total	<u>103</u>

5. AGAINST PUBLIC PEACE.

Violation of Metropolitan Park Rules	5
Possessing dangerous weapon	30
False alarm of fire	3
Disturbing the peace	8
Violating street regulations	9
Total	<u>55</u>

6. AGAINST PUBLIC POLICY.

Failing to pay wages	2
Violation of fish and game laws	6
False statement to City Registrar	2
Peddling without license	1
Illegal voting	1
False name in register	1
Total	<u>13</u>

7. AGAINST CHASTITY, MORALITY, DECENCY AND GOOD ORDER.

Drunk	1,809
Violating liquor laws	267
Violating automobile laws	255
Vagrancy	77
Indecent exposure	21
Violating drug laws	19
Polygamy	2
Adultery	18
Lewd and lascivious cohabitation	14
Lewd and lascivious person	4
House of ill-fame	3
Disorderly house	2
Maintaining nuisance	1
Deriving support from prostitute	2
Fornication	7
Obscene papers	3
Lewdness	6
Unnatural act	5
House of prostitution	2
Idle and disorderly	19
Lottery	13
Selling articles to prevent conception	1
Annoying opposite sex	4
Stubborn child	2
Abduction	1
Incest	1
Total	<u>2,558</u>

8. DESERTION, NONSUPPORT AND BASTARDY.

Desertion and abandonment	4
Nonsupport	259
Neglect of family	64
Begetting woman with child	6
Neglect of wife	9
Neglect of children	11
Illegitimate child	13
Total	<u>366</u>

Fines Imposed During the Year, 1930.

January	\$3,718 00
February	3,300 00
March	3,263 00
April	3,745 00
May	2,915 00
June	3,780 00
July	2,812 50
August	3,713 00
September	3,816 00
October	2,791 00
November	4,723 00
December	3,368 50
Total	<u>\$41,945 00</u>

Fines Collected During the Year Ending December 31, 1930.

January	\$1,283 00
February	1,947 50
March	1,399 50
April	2,016 50
May	1,871 00
June	1,114 50
July	1,320 00
August	1,782 50
September	1,250 50
October	852 50
November	1,240 50
December	1,830 50
Total	<u>\$17,908 50</u>

POPULATION STATISTICS.

Average population for year ending December 31, 1930,	733
Average population for year ending December 31, 1929,	746
Average population for year ending December 31, 1928,	728
Average population for year ending December 31, 1927,	624
Average population for year ending December 31, 1926,	691
Average population for eleven months ending December 31, 1925	630
Average population for year ending January 31, 1925,	554
Average population for year ending January 31, 1924,	371
Average population for year ending January 31, 1923,	344
Average population for year ending January 31, 1922,	248

Highest population during year ending December 31, 1930	801
Lowest population during year ending December 31, 1930	652



ANNUAL REPORT
OF THE
PRINTING DEPARTMENT
FOR THE
FINANCIAL YEAR ENDING DECEMBER 31, 1930.

BOSTON, January 2, 1931.

HON. JAMES M. CURLEY,
Mayor of Boston.

DEAR SIR,— In accordance with the requirements of chapter 3, section 24, Revised Ordinances, I respectfully submit herewith a detailed report of the Printing Department for the year ending December 31, 1930.

The net profits for the year's operations amounted to \$34,054.29, which is an increase over the previous year and may be accounted for largely by the extra printing required by the city for the various public celebrations which occurred during the year in honor of the Tercentenary Founding of Boston.

The following tables indicate the amount of printing, postage and stationery purchased by the various departments of the city, through this office, and are the result of an audit by certified public accountants.

Respectfully submitted,

WILLIAM J. CASEY,
Superintendent of Printing.

COMPARATIVE BALANCE SHEETS, AS AT DECEMBER 31, 1930, AND 1929.

<i>Assets.</i>			
	1930.	1929.	Increase or Decrease.
Cash	\$10 83	\$326 05	* \$315 22
Accounts receivable—Schedule 1	116,116 06	89,671 11	26,444 95
Inventories	38,610 88	45,114 11	* 6,503 23
Unexpended balance	330,428 57	313,670 67	16,757 90
Plant and equipment, Schedule 2	90,534 22	91,646 00	* 1,111 78
Improvements to leasehold	3,654 98	4,873 31	* 1,218 33
Total assets	<u>\$579,355 54</u>	<u>\$545,301 25</u>	<u>\$34,054 29</u>
<i>Capital.</i>			
Capital	<u>\$579,355 54</u>	<u>\$545,301 25</u>	<u>\$34,054 29</u>

ANALYSIS OF ACCOUNTS RECEIVABLE, DECEMBER 31, 1930.

	Total.	Printing.	Stationery.	Postage.
Assessing Department	\$1,510 09	\$1,061 35	\$403 46	\$45 28
Auditing Department	697 31	523 65	147 40	26 26
Boston Port Authority	19 64	—	9 64	10 00
Boston Retirement Board	156 20	64 90	51 30	40 00
Boston Traffic Commission	2,713 66	2,344 60	309 06	60 00
Budget Department	17 50	17 50	—	—
Building Department	518 98	429 00	35 74	54 24
Building Law	20 99	2 85	12 14	6 00
Board of Appeal	63 28	14 40	8 88	40 00
Board of Examiners	4 25	4 25	—	—
Board of Zoning Adjustment	109 89	3 25	—	106 64
City Clerk	272 58	165 70	66 88	40 00
City Council	668 32	360 20	74 12	234 00
City Council Proceedings	1,676 88	1,676 88	—	—
City Documents	12,658 03	12,658 03	—	—
City Planning Board	4,819 20	4,758 90	60 30	—
<i>City Record</i>	3,733 06	3,729 28	3 78	—
Collecting Department	488 58	425 13	63 45	—
Water Division	214 62	214 62	—	—
Election Department	5,134 36	4,939 35	154 01	41 00
Finance Commission	65 17	22 65	42 52	—
Fire Department	953 55	670 25	283 30	—
Wire Division	363 71	355 10	8 61	—
Health Department	2,302 95	1,424 13	67 28	811 54
Hospital Department	5,610 82	4,075 50	1,311 36	223 96
Sanatorium Division	631 10	462 65	168 45	—
Institutions Department:				
Central Office	137 75	91 50	46 25	—
Child Welfare Division	294 40	121 10	46 30	127 00
Long Island Hospital	695 42	459 75	195 67	40 00
Steamer "Hibbard"	27 70	27 70	—	—
Law Department	1,135 59	871 30	204 29	60 00
Library Department	437 00	393 00	—	44 00
Licensing Board	45 00	45 00	—	—
Market Department	10 75	—	10 75	—
Mayor's Office	172 61	43 90	41 03	87 68
Tercentenary Celebration	757 65	757 65	—	—
Conventions	300 45	300 45	—	—
Carried forward	<u>\$49,439 04</u>	<u>\$43,515 47</u>	<u>\$3,825 97</u>	<u>\$2,097 60</u>

* Decrease.

PRINTING DEPARTMENT.

3

	Total.	Printing.	Stationery.	Postage.
<i>Brought forward</i>	\$49,439 04	\$43,515 47	\$3,825 97	\$2,097 60
Mayor's Office, — <i>Concluded.</i>				
Public Celebrations	65 31	59 05	6 26	—
Publicity Bureau	28 75	28 75	—	—
Committee for Marking His- torical Sites	7 50	7 50	—	—
Employment Bureau	128 89	109 15	18 74	1 00
Mark Department	803 65	530 35	130 18	143 12
Cemetery Division	243 85	155 85	24 16	63 84
Police Department	5,978 62	3,492 70	—	2,485 92
Public Buildings Department	525 87	507 90	17 97	—
Public Welfare Department	1,647 91	1,187 33	287 30	173 28
Temporary Home	11 17	10 50	67	—
Wayfarers' Lodge	51 90	51 90	—	—
Public Works Department:				
Central Office	416 54	218 13	111 69	86 72
Bridge Service	511 55	404 25	107 30	—
Summer and L Streets	33 50	—	33 50	—
Ferry Service	283 59	244 15	37 44	2 00
Lighting Service	23 70	9 70	10 00	4 00
Paving Service	1,462 80	909 96	481 24	71 60
Sanitary Service	597 65	389 43	208 22	—
Street Cleaning	271 43	224 90	35 57	10 96
Sewer Service	526 98	301 30	225 68	—
Water Service	1,818 45	1,143 35	422 50	252 60
Registry Department	2,144 91	2,013 83	85 24	45 84
Schools	25,093 33	23,502 43	—	1,590 90
Extended Use of Schools	39 25	39 25	—	—
Physical Education	197 40	197 40	—	—
Department of School Buildings	1,358 32	784 25	274 07	300 00
Land and Buildings for Schools, ...	4,233 02	3,600 92	632 10	—
Sewerage Works	986 59	554 28	432 31	—
Sinking Funds Department	33 50	33 50	—	—
Soldiers' Relief Department	428 85	254 65	79 40	94 80
Statistics Department	834 57	706 75	109 32	18 50
Street Laying-Out Department, ...	1,537 40	1,160 70	302 70	74 00
Supply Department	1,261 86	776 25	194 01	291 60
Transit Department	704 68	624 50	56 18	24 00
Treasury Department	280 35	180 70	99 65	—
Weights and Measures Depart- ment	242 13	207 70	34 43	—
Boston and Cambridge Bridges, ...	28 10	28 10	—	—
Auditing Dept.—Miscellaneous, ...	18 45	18 45	—	—
Budget Dept.—Miscellaneous, ...	57 91	27 55	20 33	10 03
County Buildings	36 25	36 25	—	—
Granite Avenue Bridge	20 85	20 85	—	—
Juvenile Court	74 42	52 70	1 72	20 00
Land Court	1,347 30	904 30	—	443 00
Medical Examiner — Southern District	32 50	32 50	—	—
Associate Medical Examiner — Southern District	6 10	6 10	—	—
Medical Examiner — Northern District	13 75	13 75	—	—
Associate Medical Examiner — Northern District	17 90	17 90	—	—
Municipal Civil Court	677 05	44 25	—	632 80
Municipal Court, South Boston, ...	188 80	188 80	—	—
Penal Institutions Office	121 36	81 09	28 95	11 32
House of Correction	353 51	294 35	49 16	10 00
<i>Carried forward</i>	\$107,249 06	\$89,905 67	\$8,383 96	\$8,959 43

	Total.	Printing.	Stationery.	Postage.
<i>Brought forward</i>	\$107,249 06	\$89,905 67	\$8,383 96	\$8,959 43
Steamer "Perkins"	9 80	9 80	—	—
Probate Court:				
Insolvency	189 75	189 75	—	—
Insanity	22 45	22 45	—	—
Registry of Deeds	31 00	31 00	—	—
Superior Criminal Court . .	766 85	726 85	—	40 00
Supreme Judicial Court . .	58 30	58 30	—	—
Treasury County	20 15	20 15	—	—
Credit Union	36 70	36 70	—	—
Joshua Jones	31 20	31 20	—	—
Massachusetts Association				
Boards of Health	23 00	13 00	—	10 00
Charles J. Fox	12 25	12 25	—	—
Edward Foye	25 30	25 30	—	—
William F. Sinclair Post, A. L.,	6 00	6 00	—	—
New England Century of Prog-				
ress Exposition	6,448 20	6,448 20	—	—
City of Quincy	29 10	29 10	—	—
Franklin Union	30 85	30 85	—	—
James E. Downey	5 00	5 00	—	—
City of Cambridge	25 10	25 10	—	—
Charles E. Lamphrey	1,100 00	1,100 00	—	—
	<u>\$116,120 06</u>	<u>\$98,726 67</u>	<u>\$8,383 96</u>	<u>\$9,009 43</u>
<i>Less Credit:</i> Rent and Housing				
Commission	4 00	4 00	—	—
Total	<u>\$116,116 06</u>	<u>\$98,722 67</u>	<u>\$8,383 96</u>	<u>\$9,009 43</u>

MACHINERY AND EQUIPMENT, DECEMBER 31, 1930.

	Cost.	Depreciation.	Book Value.
Job Composing:			
Type	\$9,087 27	\$8,375 45	\$711 82
Machinery	902 00	249 86	652 14
Stones	300 00	196 75	103 25
Furniture and fixtures . .	425 70	388 10	37 60
Printers' sundries	483 10	406 01	77 09
Printers' furniture	3,294 20	2,978 91	315 29
Galleys	788 44	488 69	299 75
Book Composing:			
Furniture	8,816 65	5,491 47	3,325 18
Machinery	2,389 90	983 83	1,406 07
Stones	1,308 30	454 81	853 49
Sundries	164 10	146 69	17 41
Type	7,832 15	6,617 75	1,214 40
Galleys	3,839 12	3,653 55	185 57
Proof Room:			
Furniture	593 00	64 24	528 76
Printers' sundries	122 23	5 10	117 13
Monotype:			
Machinery	47,131 10	16,586 58	30,544 52
Air compressor	353 75	50 11	303 64
Furniture	461 25	410 19	51 06
Printers' sundries	11,144 96	10,473 81	671 15
Linotype:			
Machinery	14,977 40	5,920 75	9,056 65
Furniture	117 00	100 82	16 18
Sundries	1,115 00	826 96	288 04
<i>Carried forward,</i>	\$115,646 62	\$64,870 43	\$50,776 19

PRINTING DEPARTMENT.

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	Cost.	Depreciation.	Book Value.
<i>Brought forward</i>	\$115,646 62	\$64,870 43	\$50,776 19
Press Room:			
Press	1,576 35	213 52	1,362 83
Furniture	483 00	72 45	410 55
Job Press:			
Machinery	6,513 25	3,000 23	3,513 02
Furniture	84 50	83 80	70
Stone	75 00	63 44	11 56
Chases	195 00	193 38	1 62
Cylinder Press:			
Machinery	38,157 73	10,706 24	27,451 49
Furniture	260 65	245 48	15 17
Chases	2,509 00	2,509 00	—
Cutting:			
Machinery	5,316 27	2,860 83	2,455 44
Furniture	191 00	181 77	9 23
Automobile	1,206 00	753 75	452 25
General equipment	2,859 16	1,444 00	1,415 16
Office equipment	8,800 04	6,141 03	2,659 01
Totals	<u>\$183,873 57</u>	<u>\$93,339 35</u>	<u>\$90,534 22</u>

COMPARATIVE OPERATING ACCOUNTS, TWO YEARS ENDED DECEMBER 31, 1930, AND 1929.

	1930.	1929.	Increase or Decrease.
Printing sales for year — Schedule 1	\$458,106 95	\$364,243 66	\$93,863 29
Cost of printing sales — Schedule 2	400,468 30	321,589 78	78,878 52
<i>Gross Profit</i> , printing	\$57,638 65	\$42,653 88	\$14,984 77
<i>Gross Profit</i> , stationery	4,476 64	2,098 87	2,377 77
Total gross profit	<u>\$62,115 29</u>	<u>\$44,752 75</u>	<u>\$17,362 54</u>
<i>Deduct:</i>			
Superintendent's salary	\$7,500 00	\$6,250 79	\$1,249 21
Office salaries	12,537 90	11,098 25	1,439 65
Shipping and delivery wages	3,900 72	3,718 10	182 62
Pension	1,030 30	1,082 55	* 52 25
Printing used	1,043 00	1,195 45	* 152 45
Stationery	62 09	60 25	1 84
Postage	128 25	104 18	24 07
Office expenses	428 23	278 12	150 11
Auditing	220 00	250 00	* 30 00
Cleaning	824 65	908 16	* 83 51
Telephone	522 97	527 20	* 4 23
Auto expense	581 26	343 36	237 90
Postage abatement	—	188 27	* 188 27
Insurance	1,051 53	—	1,051 53
Total expenses	<u>\$29,830 90</u>	<u>\$26,004 68</u>	<u>\$3,826 22</u>
Operating profit	<u>\$32,284 39</u>	<u>\$18,748 07</u>	<u>\$13,536 32</u>
<i>Add Other Income:</i>			
Discounts taken	1,751 44	1,233 29	518 15
Interest received	18 46	21 00	* 2 54
Waste sales	—	53 72	* 53 72
Net profit	<u>\$34,054 29</u>	<u>\$20,056 08</u>	<u>\$13,998 21</u>

* Decrease.

ANALYSIS OF SALES FOR YEAR ENDED DECEMBER 31, 1930.

	Total.	Printing.	Stationery.	Postage.
Art Department	\$94 96	—	—	\$94 96
Assessing Department	16,163 71	\$12,935 05	\$2,059 34	1,169 32
Auditing Department	1,791 61	1,209 65	515 70	66 26
Boston Retirement Board	1,033 58	623 55	186 19	223 84
Boston Port Authority	296 24	151 70	80 54	64 00
Boston Traffic Commission	4,806 12	3,452 00	1,053 87	300 25
Budget Department	304 53	282 60	11 90	10 03
Building Department	5,856 46	4,737 55	604 15	514 76
Board of Appeal	161 90	79 15	20 11	62 64
Board of Examiners	199 19	139 85	22 76	36 58
Board of Zoning Adjustment	130 14	21 50	—	108 64
Building Law	99 51	38 75	40 76	20 00
City Clerk Department	1,519 66	609 05	790 61	120 00
City Council	2,737 96	1,319 02	523 30	895 64
City Council Proceedings	7,863 71	7,863 71	—	—
City Documents	52,658 37	52,658 37	—	—
City Planning Board	6,825 05	6,616 97	142 44	65 64
<i>City Record</i>	28,692 76	28,615 78	51 12	25 86
Collecting Department	10,464 66	8,813 63	1,640 17	10 86
Water Division	2,213 19	2,158 53	54 66	—
Election Department	46,867 90	45,464 55	269 16	1,134 19
Finance Commission	1,033 90	781 13	178 55	74 22
Fire Department	10,887 74	7,385 58	2,761 96	740 20
Wire Division	2,252 04	1,854 70	277 34	120 00
Health Department	20,140 80	11,495 66	1,641 92	7,003 22
Hospital Department	30,503 48	22,490 82	6,483 20	1,529 46
Sanatorium Division	3,312 39	2,511 15	717 24	84 00
Institutions Department:				
Central Office	1,026 26	592 00	204 50	229 76
Child Welfare Division	1,278 73	603 35	200 14	475 24
Long Island Hospital	2,163 85	1,649 45	350 48	163 92
Steamer "Hibbard"	60 85	60 85	—	—
Law Department	3,229 67	2,039 90	832 77	357 00
Library Department	1,090 55	822 55	—	268 00
Licensing Board	1,009 93	1,009 93	—	—
Listing Board	40,399 64	40,399 64	—	—
Market Department	147 05	111 70	31 35	4 00
Mayor's Office	6,821 38	4,787 78	748 16	1,285 44
Public Celebrations	10,916 28	9,200 80	391 24	1,324 24
Municipal Employment Bureau	335 31	267 95	64 36	3 00
Publicity Bureau	1,323 97	1,197 95	86 02	40 00
Commission on Marking Historical Sites	112 55	112 55	—	—
Conference on Metropolitan Boston	56 04	29 75	—	26 29
Rent and Housing	6 00	—	—	6 00
Park Department	6,148 55	4,546 66	718 89	883 00
Cemetery Division	874 80	637 20	77 92	159 68
Police Department	21,804 73	16,404 08	—	5,400 65
Public Buildings Department	1,566 44	1,204 29	249 25	112 90
Public Welfare Department	5,703 62	3,413 13	1,340 49	950 00
Temporary Home	33 90	10 50	1 68	21 72
Wayfarers' Lodge	51 90	51 90	—	—
<i>Carried forward</i>	\$365,073 56	\$313,463 91	\$25,424 24	\$26,185 41

PRINTING DEPARTMENT.

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	Total.	Printing.	Stationery.	Postage.
<i>Brought forward</i>	\$365,073 56	\$313,463 91	\$25,424 24	\$26,185 41
Public Works Department:				
Central Office	2,379 06	1,421 98	660 42	296 66
Bridge Service	1,743 73	836 58	701 63	205 52
Summer and L Street Bridges, ...	128 55	—	128 55	—
Boston and Cambridge Bridges, ...	28 10	28 10	—	—
Congress Street Bridge	33 50	—	33 50	—
Ferry Service	2,868 28	2,750 43	111 85	6 00
Lighting Service	193 40	137 70	23 70	32 00
Paving Service	7,706 22	5,075 13	2,100 41	530 68
Sanitary Service	3,452 64	2,650 78	528 67	273 19
Street Cleaning	962 43	658 95	214 37	89 11
Sewer Service	2,168 25	1,354 87	602 10	211 28
Water Service	11,166 88	8,703 59	1,668 21	795 08
Garage	26 70	26 70	—	—
Registry Department	7,962 36	6,330 99	366 41	1,264 96
Schools	69,790 13	63,737 19	—	6,052 94
Continuation School for Boys	375 75	15 75	—	360 00
Continuation School for Girls	4 00	4 00	—	—
Extended Use of Public Schools, ...	293 05	293 05	—	—
Gibson School Fund	5 00	5 00	—	—
Military Drill	116 20	116 20	—	—
High School of Practical Arts	117 50	117 50	—	—
Physical Education	2,005 35	1,985 35	—	20 00
Science Equipment Fund	225 00	225 00	—	—
Trade School for Girls	159 80	159 80	—	—
School Hygiene	270 00	—	—	270 00
Department of School Buildings	7,571 84	5,172 29	1,399 55	1,000 00
Land and Buildings for				
Schools	7,171 18	4,876 59	2,294 59	—
Sinking Funds Department	535 70	503 00	32 70	—
Soldiers' Relief Department	2,853 55	1,807 26	652 29	394 00
Statistics Department	933 91	739 40	164 83	29 68
Street Laying-Out Department	3,698 16	2,119 50	1,375 96	202 70
Sewerage Works	3,115 96	1,873 36	1,242 60	—
Supply Department	3,526 04	2,404 70	266 54	854 80
Transit Department	2,918 31	2,531 18	297 13	90 00
Treasury Department	2,344 85	1,340 82	482 67	521 36
Weights and Measures Depart-				
ment.	757 80	691 75	43 05	23 00
Boston Juvenile Court	321 77	151 45	5 72	164 60
County Buildings	145 25	145 25	—	—
County Miscellaneous Expenses, ...	99 04	64 20	24 81	10 03
County Treasury	25 70	25 70	—	—
District Attorney's Office	315 80	204 00	—	111 80
Granite Avenue Bridge	27 10	20 85	6 25	—
Jail	24 30	24 30	—	—
Judges' Lobby	19 75	19 75	—	—
Land Court	3,635 19	1,597 20	99	2,037 00
Municipal Courts:				
Civil	1,959 25	131 25	—	1,828 00
Brighton	74 95	59 45	15 50	—
Charlestown	6 00	6 00	—	—
Dorchester	3 25	3 25	—	—
South Boston	636 95	588 80	15 47	32 68
Medical Examiner—Northern				
District	18 00	18 00	—	—
Associate Medical Examiner—				
Northern District	43 30	43 30	—	—
<i>Carried forward</i>	\$522,038 34	\$437,261 15	\$40,884 71	\$43,892 48

	Total.	Printing.	Stationery.	Postage.
<i>Brought forward</i>	\$522,038 34	\$437,261 15	\$40,884 71	\$43,892 48
Medical Examiner—Southern District	101 70	101 70	—	—
Associate Medical Examiner—Southern District	56 95	56 95	—	—
Penal Institution:				
Central Office	735 81	356 99	178 75	200 07
House of Correction	1,452 09	1,166 10	215 99	70 00
New Buildings, Deer Island	459 38	459 38	—	—
Reconstruction and Alterations	459 40	459 40	—	—
Steamer "Michael J. Perkins"	92 85	80 85	11 00	1 00
Probate Court:				
Insolvency	1,443 70	1,443 70	—	—
Insanity	25 95	25 95	—	—
Superior Criminal Court	3,283 22	2,901 60	15 00	366 62
Superior Criminal Court, Probation Office	667 10	—	7 50	659 60
Supreme Judicial Court	88 25	78 25	—	10 00
Registry of Deeds	37 25	37 25	—	—
Attorney General's Office	28 50	28 50	—	—
Massachusetts Committee on Public Safety	17 00	17 00	—	—
Boston Council Social Agencies	2 00	2 00	—	—
American Legion	6 00	6 00	—	—
Timothy Ahern	5 85	5 85	—	—
Boston American	2 00	2 00	—	—
City of Cambridge	25 10	25 10	—	—
City of Lowell	16 20	16 20	—	—
City of Quincy	29 10	29 10	—	—
City Credit Union	228 85	228 85	—	—
Richard Cleary	2 25	2 25	—	—
John Creed	2 00	2 00	—	—
Matthew Cummings	7 00	7 00	—	—
James E. Downey	5 00	5 00	—	—
Joseph B. Egan	4,056 79	4,056 79	—	—
Employees' Liability Company, Franklin Union	2 00	2 00	—	—
Franklin Union	30 85	30 85	—	—
Edward W. Foye	36 40	36 40	—	—
Charles J. Fox	120 92	95 00	—	25 92
Lillian Gallagher	3 00	3 00	—	—
H. P. Hood & Sons	61 72	17 00	—	44 72
Charles Lamphrey	1,100 00	1,100 00	—	—
New England Century of Progress Exposition	6,448 20	6,448 20	—	—
National Fire Protection Company	1,575 00	1,575 00	—	—
Timothy Smith	2 00	2 00	—	—
Texas Company	2 00	2 00	—	—
George R. White Fund	129 59	129 59	—	—
Louis Yacker	3 00	3 00	—	—
	\$544,890 31	\$458,306 95	\$41,312 95	\$45,270 41
Less: Abatements	209 19	200 00	9 19	—
Totals	<u>\$544,681 12</u>	<u>\$458,106 95</u>	<u>\$41,303 76</u>	<u>\$45,270 41</u>

COMPARATIVE COST OF PRINTING SALES, TWO YEARS ENDED
DECEMBER 31, 1930 AND 1929.

	1930.	1929.	Increase or Decrease.
Direct labor	\$201,452 96	\$186,955 68	\$14,497 28
Indirect labor	18,045 43	17,380 77	664 66
Materials	70,645 31	54,498 12	16,147 19
Ruling and binding	48,612 79	36,494 80	12,117 99
Rent	14,000 00	14,000 04	* 04
Depreciation — Plant	11,545 43	11,770 85	* 225 42
Depreciation — leasehold	1,218 33	1,218 33	—
Machine room expense	3,322 19	2,470 34	851 85
Outside printing	6,785 95	5,544 18	1,241 77
Power, light and heat	4,057 36	4,072 65	* 15 29
Engraving electros, etc.	9,209 88	4,845 63	4,364 25
Press room supplies and ink	2,231 62	1,652 42	579 20
Metal used	949 71	515 96	433 75
Composing room expense	511 30	107 48	403 82
Cutting room expense	101 90	115 61	* 13 71
Linotype expense	—	280 98	* 280 98
	\$392,690 16	\$341,923 84	\$50,766 32
Add: Decreased work in process	7,778 14	* 20,334 06	28,112 20
Cost of printing sales	\$400,468 30	\$321,589 78	\$78,878 52

* Decrease.





ANNUAL REPORT

OF THE

PUBLIC BUILDINGS DEPARTMENT

FOR THE YEAR 1930.

BOSTON, January 1, 1931.

HON. JAMES M. CURLEY,

Mayor of the City of Boston.

DEAR SIR,— In accordance with section 24, chapter 3, of the Revised Ordinances of 1914, the annual report of the Public Buildings Department for the year ending December 31, 1930, is herewith submitted.

This department has the care and custody of City Hall; City Hall Annex; Courthouse and Police Station, East Boston; Wardroom 2, Charlestown; Courthouse and Police Station, Charlestown; Quincy Market; Faneuil Hall and Market; Old State House; Municipal Building, Oak and Tyler streets; Municipal Building, Dudley and Vine streets; Municipal Building, Hyde Park; Municipal Building, Roslindale; Municipal Building, South Boston; Municipal Building, Uphams Corner; City Building, Codman square, Dorchester; City Building, Washington and Richmond streets; Curtis Hall Gymnasium and new Library Building, Jamaica Plain; Thomas Street Schoolhouse; Old Franklin Schoolhouse; county buildings; buildings used for municipal offices and market purposes; and hired buildings or parts of buildings used for county purposes; municipal offices, wardrooms, armories, etc.

The following buildings in whole or in part were hired for municipal and county purposes:

For Offices:

1001-1020 Lawyers' Building.

For Armories:

130 Columbus avenue, First Corps of Cadets.

For Wardrooms:

Minton Hall, Forest Hills, Ward 11.

For Ambulance Station:

15 National street. (Ground lease.) Land held on lease made for twenty years; expired on November 28, 1919. Not renewed up to present time.

For County Purposes:

274 Boylston street for Medical Examiner.

AMBULANCE STATION.

The ambulance station is located on National street, South Boston, on land leased from the Carney Hospital. Day and night service is maintained to all sections of the city for persons desiring treatment at the Carney and other hospitals.

DISPOSITION OF CASES.

Hospitals.

Carney	550	Mass. General	5
City	150	Commonwealth	4
Lying-In	125	Liberty	4
Long Island	60	Pondville	4
Psycopathic	24	Fenway	3
Dispensary	20	Hart	3
State, for Insane	15	Homeopathic	3
Tewksbury	15	Channing	3
Children's	10	Haymarket Relief	3
Peter Bent Brigham, ...	10	Forest Hills	3
Robert Brigham	8	Chelsea Naval	3
Roxbury	7	Bay State	2
Soldiers' Home	7	St. Margaret's	2
South Armory	7	Mass. Women's	2
Good Samaritan	6	Emerson	2
First Corps Cadets	6	Marine	2
Hartley	6	Fuller Home	1
New England	5	Huntington	1
Eye and Ear	5	Somerville	1
Consumptives'	5		
Everett	5	Total	* 1,097

* 472 medical; 435 surgical; 190 accidents.

Ambulance responded to 12 two-alarm fires with doctors, making a total of 1,109 runs.

AMBULANCE REQUESTS FROM MUNICIPAL DEPARTMENTS
AND OTHER ORGANIZATIONS.

City Hospital	150
Institutions Department	75
Soldiers' Relief Department	7
Health Department	7
Public Welfare Society	6
District Nurses' Association	5
	250

During the past thirty-one years the cost of maintenance has increased from \$3,857.07 to \$14,163.98; number of patients carried from 394 to 1,097 and the per capita cost from \$9.78 to \$12.91.

APPROPRIATIONS.

Department expenses	\$645,418 42
Transfer from French Fund (repairs on Old State House)	120 00
Total net appropriations (Public Buildings),	\$645,538 42
Suffolk County Courthouse	98,560 00
County Buildings	115,850 32
	<u>\$859,948 74</u>

EXPENDITURES.

Public buildings, department expenses	\$559,368 79
Armories, department expenses	20,385 54
Ambulance station, department expenses	14,163 98
Suffolk County Courthouse	95,775 16
County buildings	109,030 98
	<u>\$798,744 45</u>

EXPENDED ON SPECIAL APPROPRIATIONS.

Courthouse, Brighton	\$35,186 57
Courthouse, Dorchester	5,000 00
East Boston Courthouse and Police Station 7, alterations and new buildings	99,581 84
	<u>\$139,768 41</u>

EXPENDITURES FOR AMBULANCE STATION.

Rents	\$250 00
Salaries (pay rolls)	10,424 79
Electric light	312 84
Gas	16 30
Telephones	15 37
Fuel	295 56
Supplies	11 16
Tools	9 00
Carpentry	126 00
Heating and ventilating	84 15
Painting and glazing	187 85
Plumbing	43 75
Roofing and metal work	1,627 00
Ambulance repairs	560 48
Ambulance equipment	42 21
Ambulance supplies	121 42
Medical service and supplies	31 60
Wearing apparel	4 50
	\$14,163 98

EXPENDITURES FOR ARMORIES.

Rents	\$4,800 00
Water rates	838 58
Electric lights	3,434 98
Gas	2,515 24
Fuel	1,544 45
Miscellaneous	48 00
Rifle practice and transportation	7,204 29
	\$20,385 54

EXPENDITURES FOR PUBLIC BUILDINGS.

Rents	\$17,440 00
Salaries (pay rolls)	283,690 83
Retired veterans' pension	2,269 45
Retired laborer's pension	469 00
Workingmen's compensation	7 00
Electric light	13,963 79
Gas	2,225 94
Cleaning, exclusive of pay rolls	3,656 74
Telephones	20,187 02
Fuel	39,073 41
Supplies	5,532 90
Carfares	257 58
Tools	1,190 40
Stationery	1,586 98
<i>Carried forward</i>	\$391,551 04

<i>Brought forward</i>	\$391,551 04
Ice and food	2,088 09
Advertising	98 10
Fees	437 00
Teaming	218 25
Directory service	50 00
Boiler inspection	185 00
Heating Faneuil Hall	4,404 19
Gas and electric fixtures and material	1,637 33
Furniture and furnishings	23,900 33
Automobile	2,164 44
Awnings	1,059 10
Clock repairs	154 00
Clock, Peabody square	30 00
Flag repairs	211 22
Furniture repairs	1,208 23
Carpentry	24,254 25
Electric work	4,343 01
Elevator repairs	3,361 65
Granolithic and asphalt work	1,093 31
Heating and ventilating	12,455 81
Iron work	5,454 90
Linoleum and rubber tile work	6,692 49
Masonry	13,170 15
Marble work	501 27
Painting and glazing	24,609 65
Plastering	3,054 79
Plumbing	15,052 42
Roofing	11,250 80
Sand blasting	1,700 00
Miscellaneous	3,847 22
Wearing apparel	130 75
	<u>\$559,368 79</u>

EXPENDITURES FOR SUFFOLK COUNTY COURTHOUSE.

Electric light	\$13,294 29
Gas	12 59
Fuel	14,975 21
Supplies	5,270 61
Tools	793 99
Ice	753 87
Advertising	22 50
Boiler inspection	10 00
Electric fixtures and material	3,151 30
Furniture and furnishings	8,348 76
Awnings	99 00
Clock repairs	117 09
Linoleum work	1,129 44
<i>Carried forward</i>	\$47,798 65

<i>Brought forward</i>	\$47,798 65
Furniture repairs	1,239 52
Carpentry	3,280 96
Elevator repairs	9,454 43
Heating and ventilating	19,726 34
Iron work	1,228 00
Masonry	3,743 03
Marble work	939 16
Painting and glazing	5,193 93
Plastering and whitening	36 38
Plumbing	32 00
Roofing and metal work	2,395 38
Miscellaneous	527 38
	<u>\$95,775 16</u>

EXPENDITURES FOR COUNTY BUILDINGS.

Rents	\$1,800 00
Salaries (pay rolls)	73,853 78
Retired laborers' pension	313 00
Cleaning, exclusive of pay rolls	352 23
Electric light	4,874 56
Gas	357 65
Fuel	3,078 31
Supplies	263 93
Tools	560 88
Teaming	165 83
Stationery	123 91
Advertising	21 75
Boiler inspection	70 00
Electric fixtures and material	151 82
Furniture and furnishings	1,859 91
Automobile	727 25
Awnings	471 30
Clock repairs	285 10
Linoleum	1,361 23
Furniture repairs	69 50
Lawns and grounds	315 00
Carpentry	3,710 09
Electric work	330 44
Elevator repairs	186 50
Heating and ventilating	2,879 99
Iron work	708 67
Masonry	2,390 80
Painting and glazing	4,716 05
Plastering and whitening	335 00
Plumbing	1,139 88
Roofing and metal work	1,348 41
Miscellaneous	208 21
	<u>\$109,030 98</u>

PUBLIC BUILDINGS.

BUILDINGS.	Location.	Number of Feet in Lot.	Use.
City Hall.....	School street.....	25,915	Municipal offices.
City Hall Annex.....	Court square.....	15,175	Municipal offices.
Faneuil Hall and Market.....	Faneuil Hall square.....	8,460	Assembly hall and market.
Quincy Market.....	North and South Market streets.	27,400	Market.
Old State House.....	State street.....	4,239	Leased to Boston Society as historical museum.
Curtis Hall.....	South street.....	49,907	Gymnasium, showers, etc.
Library Building.....	On lot with Curtis Hall.....	.....	Public library
Old Armory Building.....	Maverick street.....	4,337	Building condemned; to be demolished.
New City Building.....	Washington and Norfolk streets, Dorchester.	12,930	Wardroom 17 and public library.
City Building.....	Washington and Richmond streets, Dorchester.	11,640	Public library.
Town Hall.....	Washington street, Brighton.	9,626	Wardroom 22; room leased to Post 92, G. A. R.
Municipal Building.....	Vine and Dudley streets..	11,592	Wardroom 8, branch library, gymnasium and showers.
Old Franklin Schoolhouse.....	Washington street.....	11,471	Leased to Posts 15 and 7, G. A. R.
Old Cross Street Schoolhouse...	Cross street, Charlestown.	1,708	Col. F. B. Bogan Camp, No. 14, U. S. W. V.
Smith Schoolhouse.....	Joy street.....	4,624	Leased to Post 134, G. A. R.
Wardroom.....	On lot with Mather Schoolhouse.	.....	Leased to Thomas G. Kane Post, A. L.
Municipal Building.....	Bunker Hill street.....	7,927	Wardroom 2 and gymnasium.
Wardroom.....	Elmwood street.....	5,000	Quarters leased to Roxbury Post, V. F. W.
Municipal Building.....	Columbia road.....	13,242	Wardroom 13, branch library, swimming pool and gymnasium.
Thomas Street Schoolhouse....	Thomas street.....	10,954	Leased to Boston Post 200, G. A. R.
Ambulance Station.....	National street.....	3,523	Ambulance Station.
Municipal Building.....	Corner of Oak and Tyler streets.	6,111	Wardroom 3, branch library, baths and gymnasium.
Courthouse and Police Station...	Meridian street, East Boston.	13,616	Municipal Court and Police Station.
Archbishop John J. Williams Municipal Building.	West Brookline street and Shawmut avenue.	13,438	Large auditorium, gymnasium, branch library, showers and social hall.
Municipal Building, South Boston	East Broadway.....	21,250	District Court, branch library, showers and assembly hall.
Old Fire House.....	Church street.....	.....	Upper part leased to Sinclair Post. Lower part, Employment Bureau.
Old Fire House.....	Chestnut Hill avenue...	14,358	Not in use.

BUILDINGS.	Location.	Number of Feet in Lot.	Use.
Courthouse and Police Station...	City square, Charles-town.	8,246	District Court and Police Station.
Old Police Station 6 site.....	West Broadway.....	4,253	Not in use.
Old Police Station 7.....	Meridian street.....	3,777	Leased to Lieut. Lawrence J. Flaherty Post 30, The American Legion.
Old Police Station 8.....	Commercial street.....	.....	Not in use.
Municipal Building, Roslindale	Washington and Ash-land streets.	16,000	Wardroom 19, branch library and gymnasium.
Old Chemical Engine House...	Eustis street.....	1,790	Leased to Roger Wolcott Camp, U. S. W. V.
Old Ladder House No. 5.....	Fourth street, South Boston.	8,169	Upper part leased to Post 32, G. A. R.
Municipal Building.....	River street, Hyde Park.	39,370	Auditorium, Wardroom 18, gymnasium and baths.
Old Health Unit.....	Blossom street.....	4,021	Wardroom.
Old Fire House.....	North Grove street.....	3,918	Unoccupied.
Old Fire House.....	Leverett street.....	2,269	Unoccupied.

COUNTY BUILDINGS.

BUILDINGS.	Location.	Number of Feet in Lot.
Courthouse, Pemberton square.....	Pemberton square.....	87,035
Jail.....	Charles street.....	130,740
Municipal Court, Southern District*.....	Roxbury street.....	18,580
Municipal Court, Brighton.....	Academy Hill road.....	60,000
Municipal Court, Dorchester.....	Washington street.....	64,936
Municipal Court, West Roxbury.....	Morton street.....	12,108
North Mortuary.....	North Grove street.....	11,792

*Part occupied by Post 26, G. A. R.

The following offices were leased or rented:

LOCATION.	Rent per Annum.	Number of Rooms.	Use.
11 Beacon street.....	\$16,440 00	17	Law Department.
274 Boylston street.....	1,800 00	6	Medical Examiner.

WARDROOMS.

WARD.	City Ownership. or Rental.	Name of Building.	Location.
2.....	City building...	Municipal Building.....	Bunker Hill street.
3.....	City building...	Municipal Building.....	Oak and Tyler streets.
6.....	City building..	Municipal Building.....	Broadway, South Boston.
8.....	City building...	Municipal Building.....	Dudley and Vine streets.
9.....	City building...	Municipal Building.....	Shawmut avenue and West Brookline street.
11.....	\$600 per year..	Minton Hall.....	Forest Hills.
13.....	City building...	Municipal Building.....	Uphams Corner.
17.....	City building...	City Building.....	Washington and Norfolk streets.
18.....	City building...	Municipal Building.....	River street and Central avenue, Hyde Park.
19.....	City building...	Municipal Building.....	Roslindale.
22.....	City building...	Old Town Hall.....	Washington street, Brighton.

CITY SCALES.

North

Haymarket Square

ARMORIES.

OCCUPIED BY	City Ownership or Rental.	Location.
First Corps of Cadets, Companies A, B, C, D.	\$4,800 per year...	130 Columbus avenue.

RENTALS AND OTHER SOURCES OF INCOME.

Rents:

Wardrooms	\$521 00	
Faneuil Hall	315 00	
Old State House	100 00	
Rooms, Quincy Hall	13,605 00	
Municipal Building, South Boston	590 00	
Municipal Building, Roslindale	112 00	
Municipal Building, Hyde Park, ...	1,094 00	
Municipal Building, Archbishop John J. Williams	325 00	
Old Franklin School	1 00	
Eustis Street Firehouse	1 00	
Station 7, East Boston	1 00	
Old Firehouse, South Boston	2 00	
		\$16,667 00
Income on French Fund	\$120 00	
Commission on telephones	1,140 19	
		1,260 19
Armories:		
Rents		3,150 00

\$21,077 19

ORGANIZATION.

1 Superintendent.	2 Furniture polishers.
1 Chief clerk.	16 Chief janitors and custodians.
1 Chief clerk (assistant).	35 Janitors, laborers, etc.
2 Clerks.	1 Chief elevatorman.
4 Inspectors.	10 Elevatormen.
1 Superintendent of janitors.	11 Telephone operators.
1 Steamfitter.	7 Matrons.
2 Carpenters.	75 Cleaners and janitresses.
1 Electrician.	5 Towel washers.
1 Locksmith.	1 Chief driver.*
1 Chief engineer.	4 Drivers.*
6 Engineers.	1 Cleaner.*
14 Firemen and oilers.	

* Ambulance station.

COUNTY BUILDINGS.

- 1 Deputy superintendent.
- 16 Cleaners and janitresses.
- 6 Custodians.
- 8 Firemen.
- 17 Janitors, laborers, etc.
- 2 General mechanics.

ITEMIZED EXPENDITURES FOR EACH PUBLIC BUILDING FOR YEAR 1930.

	City Hall.	City Hall Annex.	Lawyers' Building.	Annex Telephone.	Municipal Building, Tyler Street.	Curtis Hall.	Employment Bureau.	Old State House.	Faneuil Hall and Market.	Quincy Market.	Municipal Building, South Boston.	Kane Post.	Old Dorchester Court.	Municipal Building, Columbia Road.	City Building, Washington and Norfolk Streets, Dorchester.	Municipal Building, Dudley and Vine Streets.	Thomas Street Schoolhouse.	Old Town Hall, Brighton.	Old Franklin School Building.	City Scales.	Ambulance Station.	Total.
Rents and taxes.....			\$16,440 00				\$400 00														\$250 00	\$17,090 00
Salaries (pay rolls).....	\$22,977 36	\$90,165 05		\$13,780 96	\$7,955 07	\$15,193 84	1,573 19	\$2 000 00	\$5,520 10		\$8,779 42		\$1,859 21	\$12,348 01	\$2,969 00	\$12,225 16			\$1,645 94		10,424 79	209,417 10
Cleaning, exclusive of pay rolls.....	1,148 48	2,423 51	59 75						25 00													3,656 74
Electric light.....	1,472 64		785 41		823 67	2,440 77	288 21		73 32		1,793 80			1,563 15	569 77	529 78		\$124 18	31 77		312 84	10,809 31
Gas.....	359 70	1,111 04			6 00	12 40			149 40						160 00	28 90		14 90			16 30	1,858 64
Telephone.....				19,787 35			398 07														15 37	20,200 79
Fuel.....		21,138 53			1,427 71	2,355 30	354 61	314 10			1,982 40			1,315 87	454 21	1,831 23		287 83	235 50		295 56	31,992 85
Supplies.....	1,771 65	842 29			48 12	208 77	19 66		67 50		67 86		6 60	32 00	23 24	132 39		2 90	6 33		11 16	3,240 47
Tools.....	44 02	94 77				26 33			128 21												9 00	302 33
Ice and food.....	912 95	1,130 67																				2,043 62
Teaming.....											18 00											18 00
Boiler inspection.....		20 00			20 00	20 00		5 00			20 00			20 00	5 00	20 00		5 00	5 00			140 00
Heating Faneuil Hall.....									4,404 19													4,404 19
Gas and electric fixtures and material.....	762 11	321 08			1 89	24 10		5 10		\$22 72	31 90											1,168 90
Furniture and furnishings.....	9,099 25	10,224 10	1,719 09		7 32	16 20	62 56	10 00	177 75		30 00					707 50						22,053 77
Awnings.....	877 25	14 50	\$1 35					15 00						51 00		20 00						1,059 10
Clock repairs.....	63 50				15 00	10 00		38 50			10 00					10 00						147 00
Flag repairs.....									24 75													24 75
Furniture repairs.....	591 98	339 22									148 48											1,079 68
Carpentry.....	3,537 79	9,768 47	294 14		275 00	409 79	1,233 00		133 55	1,531 31	89 50	\$218 50	216 75	1,910 34	65 09	499 85		2 50		465 19	126 00	20,776 77
Electric work.....	300 66	1,239 94			107 00	262 60	243 64	40 24		8 20	118 38			239 66								2,560 32
Elevator repairs.....	375 33	2,864 93																				3,240 26
Granolithic and asphalt work.....						450 00				591 52												1,041 52
Heating and ventilating.....	47 78	3,060 05			789 23	1,386 08			95 97		563 77			577 83	150 00	1,365 74		549 95	60 64		84 15	8,731 19
Iron work.....	290 29	399 10			43 71	635 00	48 17		805 49	1,146 00	131 63	85 00		68 39					898 18			4,550 96
Linoleum and rubber tile work.....	1,258 63	1,568 79			792 00						279 82			58 80	294 03	1,351 10						5,603 17
Masonry.....	362 34	1,953 99			272 76	726 14	971 00	125 00	755 00	1,338 06	994 00			530 00	188 10	846 45		275 00	217 80			9,555 64
Marble work.....	211 25										124 52			63 50		102 00						501 27
Painting and glazing.....	4,628 16	5,021 12			1,195 16	2,142 10	699 15			1,219 20	2,155 25		10 50	1,062 27	136 62	534 55		430 00	596 00	335 00	187 85	20,352 93
Plastering and whitening.....	790 00	779 59				845 00					150 20			75 00		250 00						2,889 79
Plumbing.....	614 82	4,425 26			387 12	1,744 77	63 96	78 63	278 18	1,567 49	1,344 38		47 03	1,272 68	10 00	1,373 42	84 75	44 23	315 50	46 53	43 75	13,742 50
Roofing and metal work.....	263 44	1,573 83			715 96	1,141 47	463 50		13 00	802 10	636 65		889 02	760 37	482 50	320 58			376 20		1,627 00	10,065 62
Sand blasting.....	1,700 00																					1,700 00
Miscellaneous.....	1,012 20	707 22			7 50	59 09		15 00	128 37		24 75		45 40	67 93				53 56	212 85	9 65		2,343 52
Ambulance repairs.....																					560 48	560 48
Ambulance equipment.....																					42 21	42 21
Ambulance supplies.....																					121 42	121 42
Medical service and supplies.....																					31 60	31 60
Wearing apparel.....																					4 50	4 50
Totals.....	\$55,473 58	\$61,187 05	\$19,379 74	\$33,568 31	\$14,890 22	\$30,109 75	\$6,818 72	\$2,646 57	\$12,779 78	\$3,226 60	\$19,494 71	\$303 50	\$3,074 51	\$22,016 80	\$5,507 56	\$22,148 65	\$84 75	\$1,790 05	\$4,601 71	\$856 37	\$14,163 98	\$439,122 91

ITEMIZED EXPENDITURES FOR EACH PUBLIC BUILDING FOR YEAR 1930.—Concluded.

	Municipal Building, Roslindale.	Blossom Street Building.	Sedgwick Street Library.	Storeroom for Supplies.	Municipal Building, Hyde Park.	Archbishop John J. Williams Munc- icipal Building.	Superintendent's Office.	City Building, Washington and Richmond Streets.	Old Police Station 7.	Old Police Station 8.	Smith Schoolhouse, Joy Street.	Clock, Peabody Square.	Wardroom 1.	Mechanics, Labor.	Municipal Building, Charlestown.	Minton Hall.	Old Firehouse, Brighton.	Old Ladder 5.	Elmwood Street Building.	First Corps Cadets.	Rifle Practice.	Ancient and Hon- orable Artillery Company.	Total.
Rents and taxes.....																\$660 00				\$4,800 00			\$5,400 00
Salaries (pay rolls).....	\$9,726 16			\$1,759 11	\$10,756 94	\$15,396 84	\$17,827 04	\$518 33					\$40 00	\$23,231 10	\$5,443 00								84,698 52
Retired veterans' pension.....							2,269 45																2,269 45
Retired laborers' pension.....							469 00																469 00
Workingmen's compensation.....							7 00																7 00
Water rates.....																				838 58			838 58
Electric light.....	675 72	\$8 10			800 78	1,565 71							1 28		415 75					2,657 68		\$777 30	6,902 30
Gas.....	317 70				55 40	10 50														2,515 24			2,898 84
Telephones.....					1 60																		1 60
Fuel.....	1,893 09	73 68			1,732 36	2,640 23									1,036 76					1,544 45			8,920 57
Supplies and office equipment.....	39 04			1,404 07	335 19	106 07	360 25								58 97								2,303 59
Tools.....				849 98		47 09																	897 07
Ice and food.....							44 47																44 47
Teaming.....							200 25																200 25
Directory service.....							50 00																50 00
Stationery.....							1,586 98																1,586 98
Advertising.....							98 10																98 10
Carfares.....							257 58																257 58
Fees.....							437 00																437 00
Boiler inspection.....	10 00				15 00	10 00									10 00								45 00
Gas and electric fixtures and material.....	128 84			329 79	9 80																		468 43
Furniture and furnishings.....	103 73			837 31	6 96	868 86	9 70								20 00								1,846 56
Automobiles.....							2,164 44																2,164 44
Clock repairs.....															7 00								7 00
Clock, Peabody square.....												\$30 00											30 00
Flag repairs.....				176 85	9 62																		186 47
Furniture repairs.....		24 75			20 00			83 80															128 55
Carpentry.....		511 73			1,183 99	393 42		\$174 69							1,146 60				\$193 05				3,603 48
Electric work.....	398 08	943 96			270 65	170 00																	1,782 69
Elevator repairs.....						121 39																	121 39
Granolithic and asphalt work.....					51 79																		51 79
Heating and ventilating.....	1,029 00				982 65	751 00									750 51			\$108 60	187 01				3,808 77
Iron work.....			265 32		117 65	30 92									490 05								903 94
Linoleum and rubber tile work.....			364 32		725 00																		1,089 32
Masonry.....	977 06		350 00		1,103 85	268 85									914 75								3,614 51
Painting and glazing.....	866 25		145 53		1,084 20	949 45			225 00						911 79		\$79 20		183 15				4,444 57
Plastering and whitening.....	165 00																						165 00
Plumbing.....	282 25	38 66			344 62	672 39									15 75								1,353 67
Roofing and metal work.....	255 00				314 20	173 00	22 00		319 77		\$548 46				931 95			217 80					2,812 18
Miscellaneous.....	17 02				35 10	12 00	284 38			\$79 20	76 00									48 00			551 70
Rifle practice and transportation.....																					\$7,204 29		7,204 29
Wearing apparel.....							130 75																130 75
Totals.....	\$16,913 94	\$1,600 88	\$1,125 17	\$5,357 11	\$19,957 33	\$24,187 72	\$26,218 39	\$602 13	\$719 46	\$79 20	\$624 46	\$30 00	\$41 28	\$23,231 10	\$12,152 88	\$600 00	\$79 20	\$326 40	\$563 21	\$12,403 95	\$7,204 29	\$777 30	\$154,795 40

ITEMIZED EXPENDITURES FOR EACH COUNTY BUILDING FOR YEAR 1930.

	Suffolk County Courthouse.	Brighton Courthouse.	Charlestown Courthouse.	Dorchester Courthouse.	East Boston Courthouse.	Roxbury Courthouse.	South Boston Courthouse.	West Roxbury Courthouse.	Medical Examiner.	North Mortuary.	Office.	Total.
Rents									\$1,800 00			\$1,800 00
Salaries (pay rolls)		\$7,500 00	\$13,278 92	\$7,607 92	\$7,687 26	\$15,411 84	\$6,859 92	\$10,357 92			\$5,150 00	73,853 78
Retired laborers' pension											313 00	313 00
Cleaning, exclusive of pay rolls					3 66	7 32			341 25			352 23
Electric light	\$13,294 29	270 18	1,452 66	633 96	89 76	1,164 38		475 18	61 59	\$726 85		4,874 56
Gas	12 59	109 40		128 10	6 95	6 00				107 20		357 65
Fuel	14,975 21	828 08		463 10		852 15		614 30		320 68		3,078 31
Supplies	5,270 61	40 31	38 70	33 56	37 25	70 03		44 08				263 93
Tools	793 99	88 69	107 00	94 00	35 00	137 45		71 74			27 00	560 88
Ice	753 87											
Teaming				39 60	75 00	1 73					49 50	165 83
Stationery											123 91	123 91
Advertising	22 50										21 75	21 75
Boiler inspection	10 00	5 00	10 00	20 00		20 00		10 00		5 00		70 00
Electric fixtures and material	3,151 30	37 80	28 00			63 25		22 77				151 82
Furniture and furnishings	8,348 76		385 78	220 26	330 20	676 34	71 28	53 40	122 65			1,859 91
Automobile											727 25	727 25
Awnings	99 00	67 75	216 35	72 50	24 05	66 25			24 40			471 30
Clock repairs	117 09	23 70	108 75		121 50			19 10		12 05		285 10
Linoleum flooring	1,129 44		268 78		286 60	805 85						1,361 23
Furniture repairs	1,239 52			14 50	48 50	6 50						69 50
Lawns and grounds		315 00										315 00
Carpentry	3,280 96		11 10		2,204 54	1,488 45				6 00		3,710 09
Electric work					11 84	269 82			17 78	31 00		330 44
Elevator repairs	9,454 43									186 50		186 50
Heating and ventilating	19,726 34		1,274 22	393 95	231 32	980 50						2,879 99
Iron work	1,228 00		8 03		247 50	343 13		110 01				708 67
Masonry	3,743 03	160 00		47 50	123 75	808 61		1,250 94				2,390 80
Marble work	939 16											
Painting and glazing	5,193 93	325 00	336 60	927 88	82 17	1,929 15		744 00		371 25		4,716 05
Plastering	36 38		335 00									335 00
Plumbing	32 00	10 00	218 82	59 50	143 60	439 62		112 17		156 17		1,139 88
Roofing and metal work	2,395 38		151 47		53 20	871 14		272 60				1,348 41
Miscellaneous	527 38	5 00	105 59	5 25	15 00			34 74	3 25	39 38		208 21
Totals	\$95,775 16	\$9,785 91	\$18,335 77	\$10,761 58	\$11,858 65	\$26,419 51	\$6,931 20	\$14,192 95	\$2,370 92	\$1,962 08	\$3,412 41	\$109,030 98



SIXTY-SEVENTH ANNUAL REPORT
OF THE
OVERSEERS OF THE PUBLIC WELFARE
FOR THE FISCAL YEAR 1930.

BOSTON, January 1, 1931.

HON. JAMES M. CURLEY,
Mayor of the City of Boston.

SIR,— The Board of Overseers of the Public Welfare herewith presents its sixty-seventh annual report of the present series, covering the period from January 1, 1930, to December 31, 1930.

EXPENSES OF THE DEPARTMENT.

Our drafts upon the city treasury during the year ending December 31, 1930, amounted to	\$3,844,619 45
Sundry receipts paid over to City Collector	586,709 34
Leaving the net charge to the city for the department for the year	<u>\$3,257,910 11</u>
Aid given directly to the poor	\$3,667,560 63
Less amount paid to other cities and towns	89,402 31
Leaving amount actually given to poor in Boston	<u>\$3,578,158 32</u>
Amount collected by us for care in City Hospital of state charges and those belonging elsewhere than in Boston, ...	<u>\$48,474 87</u>
Amount paid over to the trustees of the City Hospital in the year	<u>\$48,277 59</u>

STATISTICS OF CASES AIDED.

The number of families assisted during the year was 11,478, an increase of 4,015 families over the previous year. Of these, 296 families resided in other cities and towns but had retained their settlement in this city, and this department charged other cities and towns for aid rendered to 328 families residing in Boston whose legal settlement was elsewhere.

The number of new cases aided during the period was 4,565. The total number of cases dealt with since 1864 is 68,142.

The number of official visits made by visitors of this department during the year was 40,427, of which 35,609 were made in the homes of the poor and 4,818 for information.

FAMILIES AIDED DURING THE YEAR ENDING
DECEMBER 31, 1930.

4,542 having settlements here, aided directly from this office.

296 having settlements here, aided in other cities and towns through Overseers of the Public Welfare of those places.

71 families of which the man is unsettled, the wife and children having a settlement here.

328 residing here, having settlements in other cities and towns which refund amount of relief granted.

2,334 unsettled cases aided on account of the state.

3,907 nonsettlement cases temporarily aided.

11,478 families, representing about 34,434 persons.

NUMBER OF FAMILIES AIDED IN EACH MONTH OF THE
PAST TWO YEARS.

1930.	Mothers' Aid.	Temporary Aid.	1929.	Mothers' Aid.	Temporary Aid.
January	844	4,861	January	842	3,945
February	845	5,212	February	852	4,032
March	857	5,409	March	856	4,082
April	865	5,321	April	861	3,966
May	857	5,180	May	865	3,753
June	865	5,078	June	861	3,621
July	879	5,304	July	842	3,626
August	879	5,825	August	835	3,613
September	891	5,578	September	838	3,586
October	916	5,984	October	842	3,667
November	916	6,797	November	841	3,849
December	920	8,414	December	837	4,330

The sum of \$3,667,560.63 has been given directly to the poor, to which should be added the sum of \$4,131.50 paid for burials under the Dependent Aid Law, \$12,794.32 paid for support of the Temporary Home, and \$20,801.45 paid for support of the Lodge for Wayfarers, making a total of \$3,705,287.90 actually paid out by this department from the tax levy for the direct relief of the poor. The Overseers of the Public Welfare have also disbursed as trustees the further sum of \$36,768.79 to pensioners and beneficiaries adjudged worthy and falling within the provisions of the trust funds.

Collections by this department under the Mothers' Aid Law and for the relief of persons settled otherwise than in Boston and from other sources amounted to \$596,379.56. Adding \$95,524.84 collected on account of hospital care of persons in the Boston City Hospital makes an aggregate of \$691,904.40 collected.

MOTHERS' AID RENDERED UNDER THE PROVISIONS OF CHAPTER 118, GENERAL LAWS.

The number of cases on our list January 1, 1930	827
The number of cases added during year	220
Showing total number of cases dealt with during year	1,047
The number discontinued during year	142
The number remaining on our list December 31, 1930	905
Showing a net increase during the year of	78
Amount expended for this branch of our work	\$746,777 98
An increase over the amount expended in the previous year of	<u>\$30,103 90</u>

Causes of Dependency.

Unemployment of wage earner	0	=	0.00%
Intemperance	0	=	0.00%
Old age	0	=	0.00%
Death of wage earner	744	=	71.06%
Disability from industrial accident	6	=	.57%
Tuberculosis	37	=	3.54%
Other diseases	87	=	8.31%
Desertion *	173	=	16.52%
Total	1,047	=	100.00%
Aided by churches or other organizations			237
Legal aid secured through our assistance			21
Situations procured through our assistance			58
Improved housing brought about through our efforts			182

In these 1,047 families there were 2,471 children under fourteen years of age, 1,351 fourteen and over, or 3,822 in all, and a grand total of 4,900 persons supported in whole or in part under this law.

* Deserted wives are not aided under this law unless their husbands have been absent at least one year.

Average number of children under fourteen	2.36
Average number of children over fourteen	1.29
Average number of persons in family	4.68
Average number of children in family	3.65

DEPENDENT AID RENDERED UNDER THE PROVISIONS
OF CHAPTER 117, GENERAL LAWS.

Number of cases being aided January 1, 1930	4,081
Number of cases added during year	6,054
Total number of cases aided during year	10,135
Number of cases discontinued during year	1,953
Number of cases being aided December 31, 1930	8,182
Net increase during the year	4,101
Amount expended under this law	\$2,924,813 85
An increase over the amount expended during the previous year of	\$1,155,772 51

Causes of Dependency.

Unemployment of wage earner	4,196	=	41.40%
Intemperance	52	=	.51%
Old age	2,863	=	28.25%
Death of wage earner	541	=	5.34%
Disability from industrial accident	66	=	.65%
Tuberculosis	163	=	1.61%
Other diseases	1,166	=	11.50%
Desertion or nonsupport	1,088	=	10.74%
Total	10,135	=	100.00%
Aided by churches or other organizations			1,621
Legal aid secured through our assistance			287
Situations procured through our assistance			361
Improved housing conditions brought about through our efforts			314

The following table shows certain expenses of the department during the last twenty years, including Mothers' Aid, since September, 1913:

YEAR.	Net Cost of the Department.	Aid Given Directly to the Poor.	Less Amount Paid to Other Cities and Towns.	Leaving Amount Ac- tually Given to Poor in Boston.	Number of Families Aided.	Popula- tion of Boston.
1930.....	\$3,257,910 11	\$3,667,560 63	\$89,402 31	\$3,578,158 32	11,478	805,100
1929.....	2,089,995 19	2,480,382 42	58,513 93	2,421,868 49	7,463	805,100
1928.....	2,005,462 34	2,195,529 83	82,202 63	2,113,327 20	6,777	799,000
1927.....	1,703,084 14	1,912,073 95	79,438 43	1,832,635 52	6,061	790,000
1926.....	1,431,282 58	1,794,082 45	79,260 88	1,714,821 57	5,525	788,000
1925.....	1,163,648 07	1,562,144 96	54,287 27	1,507,857 69	5,334	780,000
1924.....	1,150,894 34	1,472,262 21	23,990 67	1,448,271 54	4,900	773,000
1923.....	974,462 34	1,255,780 04	49,391 87	1,206,388 17	4,831	767,000
1922.....	952,896 57	1,299,122 21	31,790 34	1,267,331 87	5,370	766,000
1921.....	786,038 54	1,127,329 88	32,901 67	1,094,428 21	4,607	764,000
1920.....	720,873 23	879,072 09	29,820 12	849,251 97	3,605	747,000
1919.....	565,635 91	800,082 30	23,522 61	776,559 69	3,756	747,000
1918.....	581,818 98	710,047 95	30,230 29	679,817 66	4,311	750,000
1917.....	497,700 72	623,884 69	13,855 22	610,029 47	4,072	750,000
1916.....	467,349 03	587,595 15	42,770 06	544,825 09	4,656	747,000
1915.....	480,861 12	601,124 69	28,222 95	572,901 65	5,512	745,000
1914.....	382,999 20	427,205 28	21,390 07	405,815 21	4,507	740,000
1913.....	209,250 00	165,164 70	13,513 35	151,650 35	2,978	731,440
1912.....	156,331 42	108,197 19	12,524 33	95,672 86	2,639	711,120
1911.....	129,668 20	88,337 67	12,087 58	76,250 09	2,272	670,585

TRUST FUNDS.

The total amount of the trust funds administered by this department as a corporation, including accumulated income, is now \$1,042,913.48. There are eighteen trust funds, all of which are administered according to the wishes of the donors as interpreted from time to time by the Board with the advice of the Law Department.

Applicants for trust pensions must have a legal residence here, must be at least fifty years of age, and must be old residents of Boston.

The number of beneficiaries now aided from the Pemberton, the Boylston Relief, the David Sears Charity, the Moses Hunt, the Thayer, the Rachel T. Stevens, the Stoughton, Goodnow and Jeffries Funds is 219. During the year 23 have died, 1 has gone to a home, 1 now has sufficient income, 9 were transferred to city aid, and 1 has moved out of the city.

Forty-seven new names have been added. A total amount of \$28,847.50 was distributed to these pensioners during the year.

During the year there has been paid \$4,956 from the income of the Boylston Education Fund, and there are now 21 children who are beneficiaries of this fund.

This department has also made 97 grants of money to 97 persons in sums of \$50 or less from the income of the Lucy Bullman Charity, amounting in the aggregate to \$1,720. Many of the recipients of these grants were applicants for the other trust pensions, the grants being often made from this fund in order to meet the immediate needs of the applicants until the regular pensions from the other funds were available.

The interest accruing from the Mason Fund was divided between three chaplains, Hebrew, Protestant and Catholic, at the House of Industry at Deer Island.

For summary of terms of the trust funds, see page 18.

WAYFARERS' LODGE.

This municipal lodging house has been in operation for fifty years.

Our lodgers, with few exceptions, are well disposed and industrious, glad of a clean bed, and willing to work out fair equivalent for food and lodging given them, realizing in some cases the advantage of getting permanent employment through the Municipal Employment Bureau and other organizations with which we cooperate.

The largest number of lodgers in any month of the year was 4,306 in December, and the smallest number was 2,719 in June. The total number of lodgers during the year was 43,968 as against 28,466 for the year 1929. The number of meals served was 126,325 as against 63,952 for the year 1929.

Much work is being done in behalf of the physical welfare of the lodgers. Careful medical and sanitary inspection of the inmates of the lodge is made by a physician, who is a permanent member of the staff. Persons suffering from infectious diseases are immediately isolated, medical advice is given, medicines are administered and arrangements made for hospital care when necessary. This thorough inspection undoubtedly tends to safeguard the health of the community.

Number of Lodgers by Month.

	Individual Lodgers.	Total Lodgings.
1930.		
January.....	1,133	3,569
February.....	677	3,245
March.....	910	4,165
April.....	1,125	4,010
May.....	930	4,179
June.....	700	2,719
July.....	708	2,730
August.....	845	3,339
September.....	649	3,310
October.....	974	4,229
November.....	942	4,306
December.....	775	4,162
Totals.....	10,368	43,968

Place of Birth of Lodgers.

	Number.	Per Cent.
United States.....	6,445	62.16
Ireland.....	1,134	10.93
England.....	304	2.93
British Provinces.....	766	7.39
Scotland.....	248	2.39
Sweden and Norway.....	269	2.60
Italy.....	89	.86
Russian Poland.....	548	5.29
Other countries.....	565	5.45
Totals.....	10,368	100.00

Average number of lodgings per man, 1930	4.24
Average number of lodgings per man, 1929	3.92
Total number of meals from January 1, 1930, to December 31, 1930	126,325

CITY TEMPORARY HOME FOR WOMEN AND CHILDREN.

The Home is designed primarily for women of good character and for children who are temporarily without shelter. The inmates are given clean beds, simple and well-cooked food, and an effort is made to restore them to their friends or to obtain employment for those who are physically able.

The number of women lodgers during the year was 4,195 as against 4,086 for the year 1929. The number of lodgings given to children was 3,437 as against 3,123 for the year 1929. Number of meals served to those living in the Home was 34,542; to persons not living in the Home, 8,902; total, 43,444.

The time allowed women to stay in the Home, usually only seven days, leaves little opportunity for training. Nevertheless, the matron does what she can to teach them how to take proper care of themselves and children.

Foundlings are transferred as soon as possible to the State Department of Public Welfare and confinement cases are referred to the Boston City Hospital.

Statistics of the Temporary Home.

	Women Admitted.	Children Admitted.	LODGINGS.	
			Women.	Children.
1930.				
January.....	76	48	268	213
February.....	79	49	233	335
March.....	90	53	348	177
April.....	60	54	275	299
May.....	77	52	321	477
June.....	88	55	506	455
July.....	80	63	340	345
August.....	93	38	359	184
September.....	75	42	439	188
October.....	93	45	459	298
November.....	64	55	274	220
December.....	70	54	373	246
Totals.....	945	608	4,195	3,437

Average number of lodgings per individual, 1930, 4.9.

Total number of women admittances	550
Number of women admitted once only	396
Number of women admitted twice	72
Number of women admitted three times	26
Number of women admitted more than three times	56
	550
Number of old cases of women admitted	134
Number of new cases of women admitted	416
	550
Number of women known to have been in almshouse	99
Number of women known to have been in prison	35
Number of women not known to have been either in alms- house or prison	416
	550
Number of women admitted between 7 p. m. and 7 a. m.	194
Number of children admitted between 7 p. m. and 7 a. m.	72
Total number of meals served	43,444
Number of meals served to persons not living at the home	8,902

Record of Children Admitted to the Home.

Number of children admitted	608
Number of children admitted once only	526
Number of children admitted more than once	82
	608
Admittances of children who came with mothers	141
Admittances of children who were brought by societies	63
Admittances of children who were brought by state agents	163
Admittances of children who were brought by city agents	205
Admittances of foundlings	6
Admittances of runaways	11
Admittances of lost children	14
Admittances of children who came in other ways	5
	608

BOSTON CITY HOSPITAL.

This department investigates and determines settlements for the Trustees of the Boston City Hospital and the Board of Health of the sick poor aided at the City Hospital. The amount collected by means of this investigation during the year was \$95,524.84. In the case of sick poor admitted to the City Hospital who have no settlement in the City of Boston this department notifies the place of settlement, or if there is no settlement notifies the State Department of Public Welfare, in order that reimbursement may be obtained for the amount due on account of care at the Boston City Hospital. The amount thus collected during the past year was \$48,328.85.

Of the total sum collected on account of Boston City Hospital cases \$18,782.37 was received at the City Collector's office on account of contagious diseases, on bills furnished by and investigation made at the expense of this department.

REPORT OF HOSPITAL WORK, FISCAL YEAR ENDING
DECEMBER 31, 1930.

Number of admissions, main hospital	17,320
Number of cases on which the state was notified	2,288
Number of cases prepared for notice to towns	990
Number of letters written for further information	2,358
Number of histories taken	20,578
Number of visits made	185

Health Department.

Admissions to South Department	1,939
Number of cases on which the state was notified	562
Number of cases prepared for notice to towns	182
Amount of money collected by the Overseers of the Public Welfare	\$48,328 85
Amount of money received at the City Collector's office on account of Health Department cases	18,782 37
Amount of money received from paying patients	28,413 62
	<u>\$95,524 84</u>

TAG DAYS.

During the year there were issued two licenses to collect funds in the public streets under chapter 538, Acts of 1909, and three licenses to sell buttons and other small articles under chapter 101, section 33, General

Laws. Six societies were refused licenses, as they were unable to comply with the rules and regulations laid down by the Board.

FINANCIAL STATISTICS.

The receipts and expenditures during the year are shown in detail by reports of the secretary and treasurer which follow.

Respectfully submitted,

In behalf of the Overseers of the Public Welfare,

SIMON E. HECHT, *Chairman.*

WALTER V. MCCARTHY, *Secretary.*

STATEMENT OF RECEIPTS AND EXPENDITURES 1930 ACCOUNT.

RECEIPTS.

Cash on hand January 1, 1930	\$8,546 20
Drafts on City Treasurer:	
Main office	\$3,811,023 68
Wayfarers' Lodge	20,801 45
Temporary Home	12,794 32
	3,844,619 45
Reimbursement for Aid Rendered:	
Commonwealth of Massachusetts	\$505,862 13
Cities and towns	73,631 29
For board in Temporary Home	747 46
Refunded by recipients	5,823 41
	586,064 29
Collections for Aid in City Hospital:	
Commonwealth of Massachusetts	\$27,390 02
Cities and towns	21,084 85
	48,474 87
Miscellaneous:	
Interest on deposits	\$586 49
Refund, Edison Electric Company	40 76
	627 25
	<u>\$4,488,332 06</u>

EXPENDITURES.

Mothers' Aid:	
Cash	\$702,872 50
Groceries	1,381 65
Fuel	21,877 30
Medical attendance, medicine and appliances, ...	1,011 46
Household furnishings and moving	2,143 37
Cities and towns for relief of Boston poor	17,481 70
Miscellaneous	10 00
	\$746,777 98
Dependent Aid:	
Cash	\$2,382,442 06
Groceries	331,291 07
Fuel	124,799 45
Medical attendance, medicine and appliances, ...	2,865 03
Household furnishings and moving	7,464 43
Burials	4,131 50
Cities and towns for relief of Boston poor	71,920 61
	2,924,914 15
Lodge for Wayfarers	20,801 45
Temporary Home	12,794 32
General Expense:	
Salaries of main office employees	\$97,743 79
Salaries of employees at City Hospital	7,470 29
Pensions of employees	1,750 00
Office expenses	10,286 23
Transportation	1,777 59
Charity Building expenses	10,618 21
	129,646 11
<i>Carried forward</i>	<u>\$3,834,934 01</u>

<i>Brought forward</i>	\$3,834,934 01
Collections Distributed:	
City Collector	\$586,709 34
City Hospital	48,277 59
	634,986 93
Cash on hand December 31, 1930	18,411 12
	<u>\$4,488,332 06</u>

PAYMENTS TO CITY COLLECTOR DURING THE PERIOD.

Receipts from the state for aid under chapter 118	\$277,989 31
Receipts from the state for aid under chapter 117	225,735 72
Receipts from the state for burials	2,283 12
Receipts from cities and towns for aid under chapter 118	13,636 53
Receipts from cities and towns for aid under chapter 117	60,002 76
Receipts for account of Temporary Home, board of women and children	747 46
Receipts from persons aided, aid refunded by them	5,687 41
Interest on deposits	586 27
Miscellaneous	40 76
	<u>\$586,709 34</u>

EXPENDITURES ON ACCOUNT OF LODGE FOR WAYFARERS.

Salaries	\$6,265 00
Groceries, provisions and ice	8,424 63
Fuel	1,061 48
Gas, \$34.80, and electric lighting, \$1,377.34	1,412 14
Laundry and cleaning	731 48
Disinfectants and fumigating	59 52
Repairs	1,884 23
Furnishings and furniture	603 92
Sundries	102 55
Wearing apparel	256 50
	<u>\$20,801 45</u>

EXPENDITURES ON ACCOUNT OF ADMINISTRATION BUILDING.

Fuel	\$1,989 38
Engineers' salaries	4,568 14
Electric lighting	1,434 56
Repairs	1,835 81
Cleaning	527 21
Miscellaneous	263 11
	\$10,618 21
Deduct estimated cost of heating the Temporary Home included in the above	2,654 55
	<u>\$7,963 66</u>

EXPENDITURES FOR CITY TEMPORARY HOME.

Groceries, provisions and ice	\$4,313 32
Salaries	5,584 84
Gas, \$531.20, and electric lighting, \$1,268.40	1,799 60
Furniture and furnishings	134 21
Wearing apparel	7 11
Telephone service	94 68
Repairs	395 55
Medical attendance and medicine	84 72
Cleaning	316 17
Sundries	64 12
Estimated cost of heating included in Administration Building expenditures	2,654 55
	\$15,448 87
Deduct receipt for board	747 46
	<u>\$14,701 41</u>

OVERSEERS OF THE PUBLIC WELFARE, 1930.

One third of the Board is appointed annually by the Mayor, subject to the approval of the Civil Service Commission.

Terms Expire April 30, 1931.

SIMON E. HECHT, *Chairman.*

MARGARET J. GOOKIN.	WILLIAM H. TAYLOR.
JOSEPH T. ZOTTOLI.	FRANK B. HOWLAND.
OLIVER C. ELLIOT.	VINCENT BROGNA.
EVELYN H. SCANLAN.	

Terms Expire April 30, 1932.

NATHAN A. HELLER.	EVA WHITING WHITE.
EDWARD H. WILLEY.	ASSAD MUDARRI.
CORNELIA G. McMAHON.	

Terms Expire April 30, 1933.

SOPHIE M. FRIEDMAN.	MORRIS BRONSTEIN.
JAMES J. MOYNIHAN.	JAMES P. MALONEY.
GEORGE H. JOHNSON.	ANDERS T. TELLSTROM.
JAMES P. MALONEY, <i>Treasurer.</i>	
WALTER V. MCCARTHY, <i>Secretary.</i>	

February, 1930. VINCENT BROGNA appointed in place of OLIVER C. ELLIOT for term ending April 30, 1931.

March, 1930. FRANK B. HOWLAND appointed in place of JOSEPH T. ZOTTOLI for term ending April 30, 1931.

March, 1930. JAMES P. MALONEY appointed in place of JAMES J. MOYNIHAN for term ending April 30, 1933.

March, 1930. ANDERS T. TELLSTROM appointed in place of GEORGE H. JOHNSON for term ending April 30, 1933.

May, 1930. SIMON E. HECHT appointed in place of EVELYN H. SCANLAN for term ending April 30, 1931.

June, 1930. MARGARET J. GOOKIN appointed in place of FRANK B. HOWLAND for term ending April 30, 1931.

June, 1930. CORNELIA G. McMAHON appointed in place of NATHAN A. HELLER for term ending April 30, 1932.

The Board meets on the first Wednesday of every month at its office in the Administration Building.

The Overseers of the Public Welfare are likewise incorporated as a Board of Trustees of John Boylston and other charitable funds, left for the assistance of persons of good character and advanced age "who have been reduced by misfortune to indigence and want."

COMMITTEES, 1930.

Investigation and Relief.

All members of the Board.

Office Matters.

Messrs. Heller, Johnson, Bronstein, Hecht, Willey and Mrs. Gookin.

Finance and Accounts.

Messrs. Heller, Johnson, Willey, Tellstrom, Maloney and Bronstein.

Employments and Settlements.

Mrs. White, Mrs. McMahon, Mr. Bronstein and Mr. Elliot.

Supplies.

Messrs. Brogna, Willey, Tellstrom and Zottoli.

Temporary Home.

Miss Friedman, Mrs. Gookin, Mrs. White and Mrs. Scanlan.

Wayfarers' Lodge and Woodyard.

Messrs. Bronstein, Moynihan, Maloney, Taylor and Brogna.

Real Estate.

Messrs. Zottoli, Tellstrom, Mudarri, Bronstein and Howland.

Medical Affairs and Hospital Matters.

Mrs. White, Mrs. Scanlan, Mrs. McMahon, Mr. Moynihan and Mr. Mudarri.

Boylston Education Fund Beneficiaries.

Mrs. Gookin, Miss Friedman, Mrs. Scanlan, Mrs. McMahon and Mr. Elliot.

Holton Fund.

Messrs. Willey and Elliot, Miss Friedman and Mrs.
McMahon.

Licenses for Receiving Contributions in Public Places.

Messrs. Zottoli, Taylor, Maloney, Bronstein, Brogna
and Mrs. White.

Legal Committee.

Messrs. Taylor and Brogna and Miss Friedman.

TRUST FUNDS IN THE HANDS OF THE OVERSEERS OF THE PUBLIC WELFARE.

Pemberton Fund.— This fund comprises bequests and gifts made to the City of Boston from 1760 to the present time from “A. B.,” Daniel Oliver, Margaret Blackader, Alice Quick, Anne Wheelwright, Mary Ireland, Benjamin Pemberton, Martha Stevens, Mrs. H. Driscoll, William Breed, Samuel Eliot, John Coffin Jones, Mary Belknap, “A Citizen of Boston,” Anonymous, Miss Dr. Harriot K. Hunt, George Higginson, Walter E. Hawes, William B. Spooner, Rebecca A. Goddard, Matilda Goddard and Richard C. Humphreys. The most important, however, of the bequests was from Benjamin Pemberton, Esq., whose will was proved June 25, 1782, and for that reason his name has been given to the fund. The income of this fund is to be expended, at the discretion of the overseers, in semi-annual payments to the poor of the city.

Boylston Relief and Education Funds.— These funds were from a bequest of John Boylston, who died in London, England. His will was proved June 12, 1795. One portion of the bequest is ordered to be paid to “poor and decayed householders of the town of Boston, not under fifty years of age, persons of good character, and reduced by the acts of Providence, not by indolence, extravagance, or other vice.” The other portion to be applied to the “nurture and instruction of poor orphan and deserted children of the town of Boston until fourteen years of age.”

Mason Fund.— A bequest from Jonathan Mason, by will dated July 15, 1798, interest to be paid annually “to the standing chaplain of the almshouse and workhouse, or by whatever other name called,” interest to be added until one is appointed. The interest is now paid semi-annually towards the salaries of the chaplains of the House of Industry at Deer Island.

Dexter Fund.— A bequest from Samuel Dexter, by will dated May 7, 1811, “for supplying with firewood or coal such poor persons, objects of charity, as are not supported in the almshouse, though sometimes relieved by the Overseers of the Poor.”

Jeffries Fund.—A bequest by David Jeffries, former Town Treasurer. Will dated January, 1786: "Income to be applied to the purchase of tea, coffee, chocolate and sugar for the refreshment of those persons, who in the providence of God, are, or shall be, reduced and obliged to take shelter in the almshouse, after having lived reputably; the Overseers of the Poor to be judges as to the persons, but always giving the preference to the pious poor."

In 1908 the Supreme Court decreed that in addition to the above provisions of the will the income of this fund could be used by the Overseers of the Poor in their discretion for the benefit of Boston poor outside of the almshouse.

Lucy Bullman Charity.—Consists of an estate on Cambridge and Joy streets, in this city, which came into the possession of the City of Boston in accordance with the will of Lucy Bullman, proved at Probate Court, Suffolk County, January 9, 1832, in which it is provided that, upon the death of certain persons therein named, said estate is given to the City of Boston upon the condition that the estate should never be sold, but the income used for the benefit of the poor. By a vote of the City Council, approved by the Mayor January 4, 1873, this estate was placed in charge of the Overseers of the Poor.

The David Sears Charity is a fund contributed by the late Hon. David Sears for the relief of the poor, the income only to be expended "in aid and for the support of citizens or families who may have seen better days, and for charity in all its forms in such a manner as may best tend to alleviate the sufferings of human life and render the condition of the poor more comfortable."

Pierce Fuel Fund.—The legacy of Caleb Pierce to the city of Charlestown, accepted by the City Council of that city May, 1861: "Income to be expended in the purchase of fuel to be distributed to those indigent widows whose husbands, before their decease, had resided in Charlestown at least one year, and the said widows still continuing to reside in Charlestown at the time of receiving said bounty."

Holton Protestant Poor Fund.—A bequest by James Holton to the inhabitants of the town of Brighton: "Income to be annually expended forever in purchasing and distributing provisions among poor and indigent Protestant families in said town of Brighton on Thanks-

giving or other holidays, or just previous to such holidays, to the end that such poor Protestant families may have the means, in some degree, of enjoying such holidays in common with their fellow-citizens; and I especially direct that in such periodical distributions unmarried Protestant females who are poor and needy shall receive a liberal share of provisions, and also other articles of comfort, such as such distributors shall deem to be the most conducive to the comfort and happiness of that lone class of citizens."

Holton Protestant Pauper Fund.— A bequest by James Holton to the inhabitants of the town of Brighton; "Income to be annually expended, in whole or in part, as necessity or circumstances may require, by the selectmen of said town, in providing good and plentiful meals on Thanksgiving Day, or other holidays, to the Protestant paupers of said Brighton. If the whole of said income shall not be required to be so expended, then the surplus shall be added to the principal, and if such principal shall ever become thus augmented to three thousand dollars or more, then the surplus interest or income, over what shall be necessary for furnishing said festive meals on said holidays, may be expended by said selectmen for the comfort of the Protestant paupers of said Brighton in such a manner as said selectmen shall judge best and most conducive to the comfort and happiness of such paupers."

Stoughton Poor Fund.— A bequest of Lieut.-Gov. William Stoughton, who died July 7, 1701. By his will he gave £50 to the relief of the poor of Dorchester, to be improved by the care of the selectmen, the income to be distributed to the most needy inhabitants.

Goodnow Fund.— A bequest of Elisha Goodnow (to be paid over upon the decease of his wife) to the City of Boston and its assigns, "to be invested and the income applied forever to and for the relief, assistance and support of the poor, sick and infirm in said city, not supported by the said city in its almshouse, in such manner as the said city, or the government or officers thereof, may deem most judicious, but without reference to the religious faith or belief of those who may apply for or need the assistance of this fund." Five thousand dollars, received April 29, 1885.

Rachel T. Stevens Fund.— A bequest of Rachel T. Stevens, the net income to be paid (after the death of a person named in the will) "for the support and main-

Statement of Trust Funds in the Hands of the Overseers of the Public Welfare, Edward H. Willey, Treasurer, December 31, 1930.

INVESTMENTS.	Pemberton or General Fund.	Boylston Education Fund.	Boylston Relief Fund.	Mason Fund.	Dexter Fund.	Jeffries Fund.	Lucy Bullman Charity.	David Sears Charity.	Pierce Fuel Fund.	Holton Protestant Pauper Fund.	Holton Protestant Poor Fund.	Stoughton Poor Fund.	Goodnow Fund.	Rachel T. Stevens Fund.	Moses Hunt Fund for the Destitute.	Nathaniel Frederic Thayer Fund.	Thorndike Fund Income.	Rowe Fund.	Totals.
Commonwealth of Massachusetts Bonds.....	\$18,000 00	\$7,500 00	\$2,000 00	\$8,950 00	\$100 00	\$1,000 00	\$4,900 00	\$118,500 00	.....	.....	.....	\$1,050 00	\$1,000 00	.....	\$250 00	\$5,250 00	.....	.....	\$168,500 00
City of Boston Currency Notes.....	172,200 00	153,200 00	45,700 00	1,800 00	7,000 00	11,750 00	47,550 00	316,500 00	\$1,500 00	\$6,950 00	\$1,500 00	4,550 00	10,550 00	\$6,000 00	14,650 00	23,000 00	\$600 00	\$1,000 00	826,000 00
Fifty Associates Corporation Stock.....	.....	.....	.....	.....	.....	.....	.....	22,800 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22,800 00
Real Estate.....	.....	.....	.....	.....	.....	.....	*	.....	.....	.....	.....	.....	.....	† 2,200 00	.....	.....	.....	.....	2,200 00
Investments.....	\$190,200 00	\$160,700 00	\$47,700 00	\$10,750 00	\$7,100 00	\$12,750 00	\$52,450 00	\$457,800 00	\$1,500 00	\$6,950 00	\$1,500 00	\$5,600 00	\$11,550 00	\$8,200 00	\$14,900 00	\$28,250 00	† \$600 00	\$1,000 00	\$1,019,500 00
Cash.....	2,413 11	1,837 07	848 31	403 02	165 22	328 15	986 01	3,745 50	81 12	269 58	46 25	70 86	374 84	355 23	434 96	280 54	561 90	211 81	13,413 48
Totals.....	\$192,613 11	\$162,537 07	\$48,548 31	\$11,153 02	\$7,265 22	\$13,078 15	\$53,436 01	\$461,545 50	\$1,581 12	\$7,219 58	\$1,546 25	\$5,670 86	\$11,924 84	\$8,555 23	\$15,334 96	\$28,530 54	† \$1,161 90	\$1,211 81	\$1,032,913 48
Total December 31, 1929.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,025,984 57
Increase.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$6,928 91

* Assessors' valuation for 1930, \$15,000.

† Assessors' valuation for 1930, \$7,000.

‡ Thorndike Fund Bequest of \$10,000 held by City Treasurer.

BOSTON, December 31, 1930.
EDWARD H. WILLEY, Treasurer.

Trust Funds.—Cash Account, January 1, 1930, to December 31, 1930.

	PEMBERTON FUND.		BOYLSTON EDUCATION FUND.		BOYLSTON RELIEF FUND.		MASON FUND.		DEXTER FUND.		JEFFRIES FUND.		LUCY BULLMAN CHARITY FUND.		THE DAVID SEARS CHARITY FUND.		PIERCE FUEL FUND.		HOLTON PROTESTANT PAUPER FUND.		HOLTON PROTESTANT POOR FUND.		STOUGHTON POOR FUND.		GOODNOW FUND.		RACHEL T. STEVENS FUND.		MOSES HUNT FUND FOR THE DESTITUTE.		NATHANIEL FREDERIC THAYER FUND.		THORNDIKE FUND INCOME.		ROWE FUND.		TOTALS.		
	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	
Cash January 1, 1930.....	\$3,863 77		\$521 77		\$2,047 89		\$708 52		\$41 29		\$914 45		\$3,785 62		\$3,895 80		\$59 80		\$905 58		\$0 31		\$873 49		\$912 82		\$1,412 38		\$1,472 61		\$1,064 77		\$337 27		\$166 43		\$22,684 57		
RECEIPTS.																																							
Securities matured or exchanged.....	21,071 44		16,910 91		6,765 31		100 00		1,874 38		1,274 37		11,477 13		56,333 38				3,342 26		1,500 00		300 00		774 37				516 26		510 20		619 50				123,375 57		
Interest on city notes.....	5,372 50		5,278 75		1,522 50		56 75		225 51		381 85		1,309 99		10,455 00		52 50		160 02		45 00		137 75		341 88		155 62		453 76		660 62		400 00		40 00		27,050 00		
Interest on United States bonds.....	652 62		288 09		88 69				31 90		31 88		365 40		1,832 90				55 25					31 90				21 24		21 25		25 50				3,446 62			
Interest on State bonds.....	537 50		183 75		35 00		311 49		1 75		25 01		150 75		4,097 50							31 49		30 00				7 50		183 26						5,595 00			
Interest on deposits.....	98 73		38 13		43 82		12 17		2 84		18 25		65 22		89 02		1 82		16 62		94		12 26		12 78		25 56		26 87		19 10		12 87		5 38		502 38		
Rents.....													450 00													350 00										800 00			
Dividends on Fifty Associates' stock.....															3,040 00																						3,040 00		
PAYMENTS.																																							
Paid for securities purchased.....		\$24,153 68		\$16,337 02		\$8,530 79		\$395 36		\$1,791 25		\$2,226 84		\$14,472 72		\$54,673 92				\$4,200 00		\$1,500 00		\$1,086 11		\$1,050 00		\$1,500 00		\$1,900 00				\$600 00				\$135,917 69	
Pensions.....		4,972 50				1,087 50						75 00				21,250 00							187 50		375 00		75 00		150 00		\$1,500 00						28,847 50		
Board of boys and girls.....				4,956 00																										675 00								4,950 00	
Grants.....													1,720 00																								1,720 00		
Paid salaries of chaplains at institutions.....							386 74																														386 74		
Fuel.....									214 55				378 75				\$33 00																				858 55		
Holiday dinners.....																																							
Accrued interest.....		57 27		91 31		36 61		3 81		6 65		15 82		46 63		74 18				10 15				10 52		3 91		13 33		13 28		9 72		99				394 18	
Cash December 31, 1930.....		2,413 11		1,837 07		848 31		403 02		165 22		328 15		986 01		3,745 50		\$1 12		269 58		46 25		70 86		374 81		355 23		434 96		280 54		501 90		211 81		13,413 48	
Totals.....	\$31,596 56	\$31,596 56	\$23,221 40	\$23,221 40	\$10,503 21	\$10,503 21	\$1,188 93	\$1,188 93	\$2,177 67	\$2,177 67	\$2,645 81	\$2,645 81	\$17,604 11	\$17,604 11	\$79,743 60	\$79,743 60	\$114 12	\$114 12	\$4,479 73	\$4,479 73	\$1,546 25	\$1,546 25	\$1,354 99	\$1,354 99	\$1,803 75	\$1,803 75	\$1,943 56	\$1,943 56	\$2,498 24	\$2,498 24	\$2,465 26	\$2,465 26	\$1,395 14	\$1,395 14	\$211 81	\$211 81	\$186,494 14	\$186,494 14	

Boston, December 31, 1930.
EDWARD H. WILLEY, Treasurer.

tenance of poor, worthy, Protestant single women of Boston, who have arrived at the age of 50 years (not including widows), paying to each of such women during her life the sum of one hundred dollars in semiannual payments. Upon the marriage of any beneficiary under this will no further payment of money is to be made to her, nor is any further payment of income to be made to any beneficiary who becomes unworthy of help under this trust."

Moses Hunt Fund for the Destitute.—A legacy from the late Moses Hunt: "The income to be devoted to the relief and welfare of Protestant destitute residents of that part of said Boston which was Charlestown."

Nathaniel Frederic Thayer Fund.—A bequest of Caroline C. Thayer (who died about 1891), to be paid over to the city after the death of two sisters, the last of whom died in September, 1899. The fund was received in May, 1900. "Income to be annually appropriated for the benefit and use of Protestant widows and single women, without distinction of color, preference always to be given to those who have seen better days."

In August, 1900, a small sum was received under the will of Susan T. Balch, which was added to this fund in accordance with the wish of the donor.

Thorndike Fund.—Extract from will of George L. Thorndike, proved June 11, 1901: "I give, devise and bequeath to the City of Boston ten thousand dollars (\$10,000) in trust forever; the income from the same is to purchase coal to be distributed to deserving widowed women of East Boston." By a vote of the City Council, approved by the Mayor December 19, 1907, the income of the fund is paid to this Board.

Rowe Fund.—Legacy from the estate of Ransom Rowe. No express grant in the will beyond the mere gift of \$1,000. Mr. Rowe's attorney has stated that some years ago, when Mr. Rowe was a very young man, he and a friend of his were furnished with accommodations at the Lodge, which he always remembered. It was with the idea that he was assisting others who might be in similar circumstances that this gift was made.

MEMBERS OF THE BOARD FROM ITS REORGANIZATION IN 1864.

[Overseers of the Poor were first chosen in Boston in 1691.]

Allen, Ira, 1868 to August 29, 1875.
Amory, Thomas C., 1864 to April, 1883.
Atkins, Ebenezer, 1864 to December 31, 1867.
Ayer, James B., April, 1890, to May, 1893.
Bailey, Joseph T., November, 1866, to 1871.
Bell, Tilton S., November, 1927, to December, 1929.
Bigelow, Alanson, 1875 to April, 1881.
Blasland, Thomas, 1866 to September 5, 1893.
Brant, John, May, 1903, to 1912.
Broгна, Vincent, February, 1930, to date.
Bronstein, Morris, May, 1923, to date.
Buckley, Joseph, 1864 to 1875.
Burnham, Daniel S., April, 1885, to May, 1891.
Cabot, Frederick P., July, 1908, to May, 1912.
Calhoun, William I., May, 1912, to November, 1913.
Campbell, B. F., October, 1882, to July, 1888.
Campbell, Isaac T., 1873 to June, 1899.
Carr, Charles L., March, 1919, to April, 1922.
Caton, Asa H., December, 1890, to 1893.
Colby, John H. May, 1908, to September, 1909.
Coleman, Charles, 1893 to May, 1896.
Conley, James H., May, 1900, to September, 1906.
Crane, P. M., 1870 to August 13, 1882.
Crowley, James J., October, 1925, to December, 1926.
Cruft, Samuel B., 1871 to 1877.
Cummings, Joseph A., May, 1917, to March, 1919.
Cunningham, Henry V., 1893 to April, 1898.
Curry, M. C., 1883 to May, 1896.
Curtis, George, 1876 to September, 1878.
Daly, Franklin P., May, 1911, to November, 1927 (died).
Davis, James G., 1880 to 1886.
Day, Frederick W., May, 1898, to January, 1899.
Derby, William P., October, 1907, to May, 1908.
Dore, John P., 1879 to May, 1891.
Downey, Thomas, Jr., 1887 to April, 1890; May, 1891,
to January, 1895, and May, 1902, to May, 1910.
Drew, William J., October, 1920, to May, 1922.
Eiseman, Gertrude, March, 1919, to May, 1921.
Elliot, Oliver C., June 6, 1929, to February, 1930.

- Fabyan, George, 1869 to May 25, 1874.
Feeney, Joseph F., June, 1922, to 1925.
Fisher, Andrew P., April, 1889, to May, 1893.
Fitzpatrick, John H., May, 1912, to August, 1916.
Folsom, Martha W., November, 1900, to 1912.
Forsyth, Thomas A., April, 1914, to December, 1914.
Fowler, William P., April, 1889, to July, 1918.
Friedman, Solomon, 1886 to December, 1890.
Friedman, Sophie M., May, 1921, to date.
Gargan, Thomas J., 1874 to 1875.
Gevalt, Nina, February, 1926, to December, 1926.
Gookin, Margaret J., May, 1908, to June, 1929, and
June, 1930, to date.
Gorman, William, 1877 to January, 1880.
Greene, Patrick J., October, 1900, to March 27, 1910.
Greene, P. Robert, May, 1910, to May, 1914.
Griffin, Martin, 1864 to 1869.
Hale, Charles F., December, 1917, to 1925.
Hale, George S., 1865 to 1871.
Hecht, Simon E., May, 1908, to December, 1926, and
May, 1930, to date.
Heller, Nathan A., December, 1926, to June, 1930.
Howland, Frank B., March, 1930, to June, 1930.
Hull, Liverus, 1874 to April, 1883.
Humphreys, Richard C., May, 1890, to September,
1898.
Hurley, Grace M., May, 1922, to February, 1929.
Hyneman, Bernard, May, 1902, to May, 1908.
Johnson, George H., October, 1926, to March, 1930.
Jordan, Michael J., May, 1902, to May, 1903.
Kerrigan, Michael A., April, 1898, to October, 1900.
Lally, Thomas F., June, 1910, to December, 1919.
Lamb, John, 1891 to May, 1897.
Lawrence, William R., 1864 to November, 1865.
Leahy, Margaret, January, 1914, to March, 1919, and
May, 1920, to May, 1926.
Leveroni, Frank, May, 1922, to December, 1926.
Lincoln, F. W., May, 1867, to April, 1878.
Little, James L., November, 1865, to November, 1876.
Logue, Charles, May, 1896, to January, 1898.
Lothrop, Loring, 1864 to April, 1870.
Lyne, Daniel J., March, 1919, to 1923.
Lyons, Joseph B., M. D., March, 1919, to June, 1922.
McLean, Charles R., 1868 to 1871.
McMahon, Cornelia G., June, 1930, to date.
McVey, John R., April, 1915, to May, 1920.

Madden, Daniel A., 1883 to April, 1889.
Maloney, James P., March, 1930, to date.
Martin, Miles, M. D., November, 1909, to April, 1914.
Moynihan, James J., February 11, 1927, to March, 1930.
Mudarri, Assad, December 10, 1929, to date.
Mullen, Matthew J., July, 1897, to May, 1900, and
May, 1906, to March, 1919.
Nazro, Frederic H., March, 1900, to May, 1902.
Newell, Otis K., July, 1888, to May, 1891.
Newmarch, S., 1864 to 1865.
North, Frederick O., May, 1905, to May, 1908.
O'Brien, John, 1871 to 1874.
O'Brien, Louise S., April, 1898, to May, 1901.
Parker, Augustus, November, 1878, to April, 1880.
Parker, Charles F., June, 1895, to May, 1898.
Parker, F. E., 1864 to 1875.
Patton, John S., May, 1902, to May, 1904.
Pickering, H. W., 1875 to April, 1884.
Pierce, J. Homer, October, 1898, to April, 1902.
Plummer, Henry L., M. D., January, 1899, to May,
1902.
Potter, H. Staples, 1916 to June, 1917.
Prescott, Washington L., 1875 to December, 1878.
Quinn, Annie E., May, 1899, to May, 1908.
Ratigan, Thomas H., February, 1927, to December,
1929.
Reade, Vincent de P., January, 1916, to March, 1919.
Richards, Henry L., 1877 to August, 1878.
Richards, Joel, 1864 to 1866.
Ring, Thomas F., November, 1878, to April, 1887.
Rockwell, George A., March, 1919, to September,
1926 (resigned).
Rogers, Annette P., 1891 to October, 1900.
Sawin, Samuel D., April, 1884, to July, 1890.
Sawyer, Edwin F., May, 1904, to May, 1907.
Scanlan, Evelyn H., February 26, 1929, to May, 1930.
Scott, John A., April, 1881, to April, 1884.
Spooner, William B., 1864 to 1868.
Spooner, William H., May, 1901, to May, 1905.
Sproules, Thomas, 1883 to May, 1920.
Stackpole, Stephen A., 1880 to April, 1883.
Stone, James H., December, 1919, to December, 1926.
Stuart, Frederick W., December, 1896, to April, 1906.
Sullivan, Daniel F., 1893 to June, 1895.
Sweetser, John, December, 1878, to April, 1879.
Taylor, William H., December 31, 1929, to date.
Tellstrom, Anders T., March, 1930, to date.

Temple, Thomas F., 1870 to April, 1890.
Thorndike, Rachel E. S., May, 1896, to April, 1899.
Turnbull, Joseph A., October, 1906, to December 23, 1915.
Turner, John, September, 1890, to May, 1893, and January, 1895, to November, 1896.
Warren, John W., 1864 to April, 1866.
Welch, William J., April, 1884, to April, 1889.
White, Eva W., May, 1926, to date.
Willcutt, Levi L., 1878 to April, 1885.
Willey, Edward H., December 8, 1926, to date.
Winthrop, Robert C., 1864 to May, 1867.
Wolcott, Edith P., 1893 to May, 1901.
Zottoli, Joseph T., February, 1927, to March, 1930.

Chairmen.

Winthrop, Robert C., July, 1864, to May, 1867.
Lincoln, F. W., June, 1867, to April, 1878.
Temple, Thomas F., April, 1878, to December 31, 1878, and from April, 1881, to April, 1890.
Amory, Thomas C., January, 1879, to April, 1881.
Newel, Otis K., April, 1890, to May, 1891.
Fowler, William P., May, 1891, to July, 1918.
Sproules, Thomas, July, 1918, to May, 1920.
Hecht, Simon E., May, 1920, to December, 1926, and May, 1930, to date.
Leveroni, Frank, December, 1926, to December, 1926.
Heller, Nathan A., December, 1926, to May, 1930.

Treasurers.

Warren, John W., July, 1864, to January, 1865.
Norcross, Otis, January, 1865, to January, 1876.
Higginson, George, 1876 to 1878.
Lincoln, F. W., 1878 to September 13, 1898.
Humphreys, Richard C., November, 1898, to May, 1912.
Fowler, William P., May, 1912, to July, 1918.
Hecht, Simon E., July, 1918, to May, 1920.
Daly, Franklin P., May, 1920, to November, 1927.
Willey Edward H., December, 1927, to May, 1930.
Maloney, James P., May, 1930, to date.

Secretaries.

Pratt, John, July, 1864, to November, 1874.
Pettee, Benjamin, November, 1874, to December, 1914.
Hardy, William H., December, 1914, to March, 1924.
McCarthy, Walter V., March, 1924, to date.

ANNUAL REPORT

OF THE

PUBLIC WORKS DEPARTMENT

FOR THE YEAR 1930

[DOCUMENT 24—1931]

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REPORT OF THE DIVISION ENGINEER OF THE
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(WATER SERVICE.)

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REPORT OF THE BOSTON AND CAMBRIDGE BRIDGE COMMISSION.

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ANNUAL REPORT
OF THE
PUBLIC WORKS DEPARTMENT
FOR THE
YEAR ENDING DECEMBER 31, 1930.

BOSTON, January 2, 1931.

HON. JAMES M. CURLEY,
Mayor of Boston.

DEAR SIR,— In compliance with the Revised Ordinances, the annual report of the operations and expenses of the Public Works Department for the year ending December 31, 1930, is respectfully submitted. The Public Works Department, created by Ordinances 1910, chapter 9, now chapter 27 of the Revised Ordinances of 1925, was formed by consolidating the Engineering, Water and Street Departments.

ORGANIZATION.

The department is composed of six main divisions, viz.:

Central Office.— The Central Office is composed of the accounting force of the entire department under the charge of the chief clerk.

Bridge and Ferry Division.— This division, under a division engineer, has the charge and care of all bridges used as highways which are in whole, or in part, under the control of the city; and the care and management of the ferries owned by the city, including boats, slips, drops and buildings.

NOTE.— The Boston and Cambridge Division, so called, is not, strictly speaking, a division of the Public Works Department, as this work is in charge of a commission of two, one member appointed by the Mayor of Boston and the other by the Mayor of Cambridge, under the provisions of chapter 412 of the Acts of 1904; but because of the fact that the present Commissioner of Public Works is the Boston member of this commission and also because one half of the expense of the commission is defrayed by the Bridge Service, it is in this report treated as a division of this department.

Highway Division.— This division, under a division engineer, has charge of the construction, reconstruction and maintenance of roadways and sidewalks, and the care of lamps and lighting of streets, parks and alleys.

Sanitary Division.— This division, under a division engineer, has charge of the collection and removal of ashes, garbage and refuse, street cleaning and the oiling and flushing of streets.

Sewer Division.— This division, under a division engineer, has charge of the construction and maintenance of sewers, catch-basins and waterways.

Water Division.— This division, under a division engineer, has the care of water pipes, installation of meters, water service, laying and relaying of water mains and the high pressure fire service.

GENERAL.

Due to your Honor's intense interest in the unemployment situation, the Legislature was petitioned for loans outside the debt limit to provide a construction program greatly in excess of any previous year.

For the reconstruction and repair of old streets the Legislature authorized \$2,000,000 outside the debt

limit, to be spent within two years, and conditional upon \$1,000,000 being provided in the tax levy. There was also authorized for new streets ordered constructed by the Street Commissioners \$2,750,000. None of this money was available until the approval of his Excellency the Governor on May 10. Previous to that date there was only available for the reconstruction and repair of old streets \$250,000 from the tax levy, which was allotted to the bituminous patching contracts for the year, on account of the neglect of the previous administration to do any of this essential work for two full years.

There was also provided by the Legislature a loan for the widening of L and Summer streets, which included the construction of a new bridge, and a loan inside the debt limit was provided by your Honor for the construction of a ferryboat.

For sewer construction a total of \$1,550,000 was made available, \$1,000,000 of which was within the debt limit, \$500,000 authorized by the Legislature outside the debt limit, and \$50,000 from the tax levy.

Notwithstanding our late start, we did a total amount of contract work for the year approximating \$6,700,000 of which approximately \$1,250,000 was for the completion of contracts awarded during the previous administration.

We take this occasion to thank all the employees of the department, particularly the engineering and inspection staffs of the Bridge and Ferry, Highway and Sewer Divisions for their unselfish devotion in relieving unemployment by working hard for long hours without overtime payments.

The amount of contract work done was more than twice that previously accomplished in one year in the history of the department.

BRIDGE AND FERRY DIVISION.

The principal contract work done was the completion of Congress Street Bridge over Fort Point Channel; the replacement of the burned L Street Bridge, and the

construction of the ferryboat for which a contract was awarded early in the year.

We take great pride in the reconstruction of the L Street Bridge at an expense of approximately \$230,000. This bridge was burned on June 6; the contract for reconstruction and widening was approved on August 8, and it was all completed on December 24,—everything being carried along in an orderly manner.

By special arrangements with the Bethlehem Shipbuilding Corporation, which had the contract for building the ferryboat, the hull was built in the Fore River yard at Quincy and all of the machinery at the Atlantic Works in East Boston, thus contributing a large amount to pay rolls in this city.

The total amount of contract work in this division was approximately \$1,522,000.

HIGHWAY DIVISION.

For the reconstruction and repair of old streets the total amount of contract work was approximately \$2,087,000, which included such main arteries as Massachusetts avenue, from Edward Everett square to Southampton street; Columbus avenue, from Northampton street to Roxbury Crossing; Bunker Hill street, Charlestown; East Eighth street, South Boston; and Washington, Adams and Bowdoin streets and Blue Hill avenue, Dorchester. Of this amount \$100,000 was spent in the replacement of brick sidewalks, including the entire North End, where conditions were such previously as to call for the payment of approximately \$40,000 in claims for defects in sidewalks during the year 1929. Of this large total only \$13,000 worth of work went into 1931.

On thirty of the new streets for which contracts had been awarded in the year 1929 no work had been done on seventeen and the rest of them were in various stages of completion. We expended approximately \$238,000 to finish these streets. We awarded contracts for a total

of sixty-three new streets, forty-nine of which were completed, and fourteen were carried over into 1931, the completion of which will cost about \$77,000.

On the Charles street widening, which was authorized by the Legislature, we awarded a contract for rough grading the westerly roadway.

The widening of Summer street was completed as far as East First street.

The total amount of work done and charged to Highways, Making of, and to special appropriations was approximately \$900,000 including the fourteen hold-over streets not completed.

The total amount spent for granolithic sidewalks constructed under lien orders was approximately \$106,000, a part of which was the completion of 1929 contracts.

SEWER DIVISION.

The covering of Stony Brook channel had been completed as far as the Boston & Providence Division of New York, New Haven & Hartford Railroad, and a contract was awarded for the difficult section under the railroad and under Hyde Park avenue, which came over into 1931. These were the two big jobs this year.

The total amount of work done, including the contracts awarded in 1929, was approximately \$1,555,000 a large part of which was spent for surface drains in new streets.

WATER DIVISION.

The discouraging feature of our activities this year has been the lack of demand for new water services, the total (1,088) being 33 per cent less than for last year, which was also quiet,—showing a decided slump in building during these two years as compared with the previous year.

The total amount spent in this division on contract work was approximately \$557,000.

Of the large total amount of contract work in all divisions, it is estimated that 70 per cent was expended for labor on the job or at the source of, and transportation, for materials.

There is no question but what a great deal of money could be spent on the reconstruction of old streets of the city, particularly the main arteries, and the borrowing of money at this time, when the cost of construction is cheaper than it has been, only spends in advance a proportionately smaller amount than would be spent later, under normal conditions, to put these streets in good condition, and we see no reason why additional money should not be procured from the Legislature of next year to continue this work, when we anticipate unit prices will be even lower.

SNOW REMOVAL.

Although we awarded contracts for snow removal in the eleven districts of the city, yet the storms were of such a mild nature that it was considered the unemployment situation would be taken care of to greater advantage by employing men from the City Employment Bureau in the city proper, and in the various outside sections of the city from their immediate neighborhoods, which policy was followed during every storm,—the supervision being provided by our own foremen and inspectors, and the equipment in the main being furnished by the city.

The total amount of money spent for emergency day labor on snow removal was approximately \$132,000, which went into the homes of deserving citizens.

APPROPRIATIONS.

The money assigned for the maintenance work of the Public Works Department during the year 1930 was derived from the income of the city raised by taxation. In December, 1929, the department estimates were submitted to the Mayor, in segregated form, who made such allowance for each item in the budget as he con-

sidered necessary and submitted them to the City Council. The total maintenance appropriation as passed by the City Council and approved by the Mayor are shown below. On another page will be found the total expenditures by each service for each item in the segregated budget.

Central Office	.	.	.	.	.	.	.	\$92,658 81
Bridge Service	.	.	.	.	.	.	.	480,890 49
Ferry Service	.	.	.	.	.	.	.	561,553 00
Lighting Service	.	.	.	.	.	.	.	1,023,206 43
Paving Service	.	.	.	.	.	.	.	1,834,113 40
Sanitary Service	.	.	.	.	.	.	.	3,382,854 25
Sewer Service	.	.	.	.	.	.	.	757,678 70
Water Service	.	.	.	.	.	.	.	1,766,482 79
Total	.	.	.	.	.	.	.	<u>\$9,899,437 87</u>

Yours respectfully,

J. A. ROURKE,
Commissioner of Public Works.

**Expenditures Under the Maintenance Appropriation of the
From January 1, 1930,**

GROUP AND ITEM.	Central.	Bridge.	Ferry.
A. PERSONAL SERVICE AS PER SCHEDULE A:			
1. Permanent employees.....	\$86,401 95	\$336,578 10	\$360,193 44
2. Temporary employees.....		11,666 36	23,389 93
3. Unassigned.....		7,578 59	7,721 66
B. SERVICE OTHER THAN PERSONAL:			
1. Printing and binding.....	468 10		1,134 75
3. Advertising and posting.....		16 50	201 00
4. Transportation of persons.....	73 85	770 91	127 15
5. Cartage and freight.....		3 17	260 16
6. Hire of teams and auto trucks.....			2,817 00
8. Light, heat and power.....		10,105 28	7,282 77
10. Rent, taxes and water.....		335 49	
12. Bond and insurance premiums.....	10 00		163 00
13. Communication.....	31 65	377 78	321 92
14. Motor vehicle repairs and care.....	110 47	2,650 94	
15. Motorless vehicle repairs.....			111 50
16. Care of animals.....			
18. Cleaning.....		13 65	33 00
19. Removal of ashes, dirt and garbage.....			
20. Disposal of ashes, dirt and garbage.....			
21. Removal of snow.....			
28. Expert.....			
35. Fees, service of venires, etc.....	7 50	51 00	25 00
37. Photographic and blueprinting.....			
39. General plant.....	124 00	29,549 32	51,137 11
42. Repairing streets.....			
C. EQUIPMENT:			
2. Machinery.....			
3. Electrical.....			
4. Motor vehicles.....	47 92	6,734 55	
5. Motorless vehicles.....			
6. Stable.....			

Several Services by Items of the Segregated Budget.
to December 31, 1930.

Lighting.	Paving.	Sanitary.	Sewer.	Water.	Totals.
\$6,117 71	\$1,148,831 01	\$1,716,060 76	\$413,177 54	\$979,067 90	\$5,046,428 41
.....	54,646 09	101,201 36	8,848 33	42,489 63	242,241 70
.....	20,410 55	95,302 06	17,830 30	18,101 60	166,944 76
.....	.....	567 30	.....	290 95	2,461 10
.....	96 45	83 10	62 25	223 75	683 05
44 90	1,307 62	184 89	1,293 31	9,353 14	13,155 77
.....	7 48	19 73	14 59	44 60	349 73
.....	4,165 92	1,536 93	1,421 00	.....	9,940 85
1,002,191 26	2,208 60	4,492 53	37,755 69	5,295 15	1,069,331 28
.....	5,299 08	2,055 00	1,276 80	942 81	9,909 18
.....	20 00	5 00	.....	661 60	859 60
.....	2,100 73	1,417 57	762 43	2,275 17	7,287 25
124 32	23,351 02	102,457 99	12,482 84	17,023 70	158,201 28
.....	517 96	24,897 03	73 05	2 75	25,602 29
.....	3,575 91	5,140 38	371 00	385 53	9,472 82
.....	177 10	264 85	70,084 55	71 03	70,644 18
.....	.....	418,800 00	.....	.....	418,800 00
.....	261 02	347,894 68	122 25	97 14	348,375 09
.....	19,721 33	.....	.....	.....	19,721 33
.....	.....	.....	.....	552 30	552 30
.....	848 50	879 50	167 50	1,410 10	3,389 10
.....	.....	.....	.....	81 90	81 90
8,352 16	31,317 11	37,273 73	27,328 66	133,770 58	318,852 67
.....	11,556 04	.....	2,021 97	75,507 54	89,085 55
.....	9,350 00	.....	.....	.....	9,350 00
.....	.....	.....	.....	9 10	9 10
25 39	75,737 08	93,722 00	18,200 10	23,463 25	217,930 29
.....	.....	1,191 94	177 00	.....	1,368 94
.....	188 66	862 25	40 69	217 50	1,309 10

**Expenditures Under the Maintenance Appropriation of the
From January 1, 1930.**

GROUP AND ITEM.	Central.	Bridge.	Ferry.
C. EQUIPMENT:			
7. Furniture and fittings.....		\$16 35	\$374 50
9. Office.....	\$227 08	100 00	
11. Marine.....			1,024 92
13. Tools and instruments.....		1,771 21	1,187 56
14. Live stock.....			
16. Wearing apparel.....		39 40	398 50
17. General plant.....		49 94	141 65
D. SUPPLIES:			
1. Office.....	2,210 21	1,869 17	1,401 87
2. Food and ice.....	15 00	76 63	79 80
3. Fuel.....		2,419 66	65,971 39
4. Forage and animal.....			
5. Medical, surgical, laboratory.....			
8. Laundry, cleaning, toilet.....		90 52	102 98
11. Motor vehicle.....	209 43	1,280 32	
13. Chemicals and disinfectants.....		4 40	278 03
16. General plant.....		1,240 75	4,498 18
E. MATERIALS:			
1. Building.....		140 77	63 50
2. Highway.....			
3. Bridges.....		31,861 84	
4. Ferries.....			9,124 38
5. Sewer.....			
6. Water.....			
9. Machinery.....		163 82	
10. Electrical.....		1,128 90	1,109 20
13. General plant.....		49 10	
F. SPECIAL ITEMS:			
2. Damages.....			
7. Pensions and annuities.....		4,610 76	7,370 37
11. Workingmen's compensation.....		22 00	521 43
Totals.....	\$89,937 12	\$453,367 18	\$548,567 65

Several Services by Items of the Segregated Budget.—Concluded.
to December 31, 1920.

Lighting.	Paving.	Sanitary.	Sewer.	Water.	Totals.
.....	.....	\$59 40	.....	\$1,029 20	\$1,479 45
.....	\$100 00	37 75	\$92 08	1,315 90	1,872 81
.....	.....	.....	.....	.....	1,024 92
.....	11,931 07	9,511 82	2,311 88	66,473 25	93,186 79
.....	.....	3,475 00	.....	975 00	4,450 00
.....	4 50	93 35	551 35	360 99	1,448 09
\$1,629 51	164 29	2,268 11	3,890 18	79 47	8,223 15
218 90	7,208 83	4,344 73	2,211 63	11,004 58	30,469 92
.....	209 09	147 84	176 38	82 25	786 99
.....	12,691 30	4,008 03	37,300 33	1,279 92	123,670 63
.....	12,191 92	53,885 81	1,162 76	835 87	68,076 36
.....	.....	.....	6 26	.....	6 26
.....	95 52	112 88	261 91	204 46	868 27
73 71	17,931 47	46,520 67	4,112 60	8,772 65	78,900 85
.....	85 29	283 37	306 33	81 27	1,038 69
.....	4,645 37	1,385 32	3,052 14	4,551 49	19,373 25
.....	1,271 29	100 57	2,456 81	264 05	4,296 99
.....	183,968 73	29,344 14	.....	.....	213,312 87
.....	.....	.....	.....	.....	31,861 84
.....	.....	.....	.....	.....	9,124 38
.....	.....	.....	9,887 84	.....	9,887 84
.....	.....	.....	.....	320,752 48	320,752 48
.....	.....	.....	.....	.....	163 82
.....	115 16	154 63	702 81	882 05	4,092 75
.....	9,111 41	43,489 72	8,335 20	3,464 73	64,450 16
.....	.....	.....	.....	6,077 33	6,077 33
.....	12,221 14	9,762 06	1,367 88	11,201 00	46,583 21
.....	4,152 82	10,270 99	1,409 71	2,191 57	18,568 52
\$1,018,777 86	\$1,693,794 46	\$3,175,568 77	\$693,107 93	\$1,753,218 23	\$9,426,339 20

**Expenditures Under the Maintenance Appropriation of the
From January 1, 1930,**

GROUP AND ITEM.	Central.	Bridge.	Ferry.
Commissioner.....	\$9,000 00	.....	.....
Division engineers.....		\$4,500 00	\$1,500 00
Engineers in charge.....			
Clerks and stenographers.....	64,420 61	3,936 70	1,700 00
Address printer.....			
Blueprinters.....	3,600 00	.....	.....
Chauffeurs.....	1,848 00	4,928 28	.....
Cement testers.....	5,300 00	.....	.....
Chief inspectors.....			
Chemist and assistant.....			
Cashiers.....			2,459 39
Captains.....			31,348 00
Constables.....			
Deckhands.....			39,831 75
Drawtenders.....		213,873 67	.....
Draughtsman.....		6,696 51	.....
Engineers, assistant and civil.....		16,860 65	30,583 35
Engineers (steam).....			
Electricians.....		2,127 00	2,184 00
Emergencymen.....			
Foremen, general.....			3,618 32
Foremen.....		2,500 00	.....
Subforemen.....		6,260 01	.....
Instrumentmen.....		5,908 43	.....
Investigator.....			
Rodmen.....		1,507 20	.....
Inspectors.....		4,995 48	.....
Inspector, property.....	2,233 30	.....	.....
Laborers, janitors, teamsters, watchmen, stablemen, etc.		19,422 17	29,169 08
Mechanics.....		39,162 00	47,197 26
Meter readers.....			
Medical inspectors.....		200 00	100 00
Oilers, firemen.....			95,494 79
Quartermasters.....			25,242 00
Sewer gatemen, cleaners, etc.....			

Several Services by Items of the Segregated Budget.
to December 31, 1930.

Lighting.	Paving.	Sanitary.	Sewer.	Water.	Totals.
.....	.....	.....	.....	.....	\$9,000 00
\$1,500 00	\$4,500 00	\$4,306 90	\$6,000 00	\$6,000 00	28,306 90
.....	1,000 00	.....	.....	4,000 00	5,000 00
2,459 38	39,848 94	5,948 59	11,512 13	98,653 77	228,480 12
.....	.....	.....	.....	449 13	449 13
.....	.....	.....	.....	.....	3,600 00
.....	77,216 82	173,613 19	26,975 46	25,421 50	310,003 25
.....	545 89	.....	.....	.....	5,845 89
.....	676 79	.....	160 00	2,518 32	3,355 11
.....	664 51	.....	.....	.....	664 51
.....	.....	.....	.....	4,194 44	6,653 83
.....	.....	.....	.....	.....	31,348 00
.....	.....	2,769 99	.....	13,104 79	15,874 78
.....	.....	.....	.....	.....	39,831 75
.....	.....	.....	.....	.....	213,873 67
.....	327 08	.....	2,919 28	4,759 26	14,702 13
.....	9,728 15	2,959 12	10,934 40	14,894 08	85,959 75
.....	23,487 43	.....	11,870 00	.....	35,357 43
.....	.....	.....	.....	.....	4,311 00
.....	.....	.....	.....	55,905 00	55,905 00
.....	3,300 20	.....	.....	2,838 08	9,756 60
.....	25,744 28	60,761 75	8,492 34	24,559 39	122,057 76
.....	42,140 07	.....	39,874 22	1,990 71	90,265 01
.....	7,777 53	.....	11,543 61	12,600 00	37,829 57
.....	.....	.....	.....	2,259 15	2,259 15
.....	1,481 33	.....	.....	.....	2,988 53
2,158 33	48,754 28	160,383 36	.....	45,204 18	261,495 63
.....	34 52	.....	.....	.....	2,267 82
.....	606,959 10	1,170,238 76	112,389 00	213,108 75	2,151,286 86
.....	238,889 51	111,947 67	45,291 42	366,597 63	849,085 49
.....	.....	.....	.....	69,364 86	69,364 86
.....	400 00	2,200 00	100 00	600 00	3,600 00
.....	.....	.....	70,307 82	.....	165,802 61
.....	.....	.....	.....	.....	25,242 00
.....	.....	.....	48,287 25	.....	48,287 25

**Expenditures Under the Maintenance Appropriation of the
From January 1, 1930,**

GROUP AND ITEM.	Central.	Bridge.	Ferry.
Supervisors.....		\$3,700 00	
Supervisors, deputy.....			
Storekeepers.....			\$1,800 00
Superintendent and deputy.....			
Telephone operators.....			
Tollmen and gatemen.....			47,965 50
Veterinarian.....			
Wharfingers.....			
Weighers.....			
Yardmasters.....			
Yardmen.....			
Permanent (totals).....	\$86,401 91	\$336,578 10	\$360,193 44
Temporary.....		11,666 36	23,389 93
Unassigned.....		7,578 59	7,721 66
Totals.....	\$86,401 91	\$355,823 05	\$391,305 03

Several Services by Items of the Segregated Budget.—Concluded.
to December 31, 1930.

Lighting.	Paving.	Sanitary.	Sewer.	Water.	Total.
.....	\$1,361 11	\$3,971 12	.....	.....	\$9,032 23
.....	2,959 12	891 74	.....	.....	3,850 86
.....	.....	1,798 63	.....	.....	3,598 63
.....	5,200 00	.....	\$3,185 75	\$6,954 03	15,339 78
.....	.....	1,559 09	.....	1,365 83	2,924 92
.....	.....	.....	.....	.....	47,965 50
.....	500 00	2,250 00	125 00	125 00	3,000 00
.....	.....	1,827 94	.....	.....	1,827 94
.....	942 23	1,800 00	.....	.....	2,742 23
.....	.....	1,900 00	.....	.....	1,900 00
.....	4,392 12	4,932 91	3,209 86	1,600 00	14,134 89
\$6,117 71	\$1,148,831 01	\$1,716,060 76	\$413,177 54	\$979,067 90	\$5,046,428 37
.....	54,646 09	101,201 36	8,848 33	42,489 63	242,241 70
.....	20,410 55	95,302 06	17,830 30	18,101 60	166,944 76
\$6,117 71	\$1,223,887 65	\$1,912,564 18	\$439,856 17	\$1,039,659 13	\$5,455,614 83

The expenditures under the several appropriations for the different services for the year 1930 were as follows:

DIVISIONS AND SERVICES.	Current Expenses.	Special Appropriations.	Total Expenditures.	Balance December 31, 1930.
Central Office.....	\$89,937 12	.....	\$89,937 12	.....
Bridge Service.....	453,367 18	\$1,040,473 03	1,493,840 21	\$100,162 35
Ferry Service.....	548,567 65	243,389 96	791,957 61	¹ 228,645 08
Lighting Service.....	1,018,777 86	.....	1,018,777 86	.....
Paving Service.....	1,693,794 46	2,927,864 91	4,621,659 37	² 1,076,839 60
Sanitary Service.....	3,175,568 77	.....	3,175,568 77	.....
Sewer Service.....	693,107 93	1,423,835 78	2,116,943 71	³ 1,113,071 30
Water Service.....	1,753,218 23	14,777 26	1,767,995 49	4,062 35
	\$9,426,339 20	\$5,650,340 94	\$15,076,680 14	\$2,522,780 68

¹ \$50,000 authorized but not issued.

² \$800,000 authorized but not issued.

³ \$790,000 authorized but not issued.

Cost of Maintenance of the Public Works Department Since 1921.

DIVISION AND SERVICES.	Special Account 1921-22.	1922-23.	1923-24.	1924-25.	1925. (11 months.)	1926.	1927.	1928.	1929.	1930.
Central Office.....	\$3,072 64	\$100,457 23	\$84,717 60	\$86,511 11	\$81,432 27	\$89,069 05	\$88,214 06	\$87,166 21	\$89,413 93	\$89,937 12
Bridge Service.....	15,805 42	382,413 98	387,220 23	426,330 81	396,596. 57	445,564 07	452,916 60	451,024 62	455,411 38	443,173 33
Boston and Cambridge Bridges.....	2,433 95	27,669 10	30,832 74	31,740 49	19,309 12	18,983 08	16,496 35	15,584 52	14,893 33	10,193 85
Ferry Service.....	21,483 31	497,091 74	498,684 78	523,527 46	472,240 69	516,316 65	552,328 81	558,335 56	554,744 35	548,567 65
Lighting Service.....	134,127 02	734,059 09	747,191 63	830,736 90	820,768 34	927,329 94	953,642 82	977,195 76	1,010,513 01	1,018,777 86
Paving Service.....	34,869 68	925,828 45	1,140,959 74	1,208,503 43	1,230,788 13	2,252,030 79	1,396,279 48	1,567,712 85	1,511,609 52	1,568,071 57
Removal of snow.....	6,611 10	416,720 51	364,713 64	349,375 57	75,494 95	1,234,123 87	786,521 98	313,692 83	641,255 20	230,214 07
Sanitary Service.....	105,288 97	1,831,685 38	1,895,984 45	*2,073,913 32	1,877,228 67	2,050,603 65	2,089,907 75	2,087,116 27	2,177,678 60	2,207,807 64
Sewer Service.....	25,419 60	567,758 00	605,796 63	635,928 74	592,155 15	688,876 44	699,708 79	688,722 54	716,638 53	693,107 93
Street Cleaning Service.....	23,637 66	627,203 22	607,583 55	592,615 85	719,296 18	696,834 10	740,599 35	790,641 45	775,287 28	803,516 15
Street Watering and Oiling Service.....	491 24	122,865 88	108,842 33	79,476 90	53,420 88	51,458 88	49,375 06	41,700 49	46,366 66	59,753 80
Water Service.....	41,656 57	1,354,555 93	1,229,573 73	1,608,320 10	1,309,163 72	1,511,407 58	1,483,018 23	1,598,068 76	1,585,134 62	1,753,218 23
Totals.....	\$414,896 05	\$7,588,317 47	\$7,702,101 05	\$8,447,000 68	\$7,657,894 67	\$9,382,538 10	\$9,309,009 28	\$9,176,962 86	\$9,578,946 41	\$9,426,339 20

* Includes \$142,724.96 paid by Street Cleaning and Oiling Service.

REVENUES, 1930.

On Account of the Public Works Department, as Per Auditor's Statement.

Bridge Service:

Maintenance of Chelsea Bridges,	\$22,421 74
Albany Street Bridge, alterations	101 74
Rebate on electric light bill	2 82
Rent	200 00
	\$22,726 30

Charlestown Bridge:

Rents	2,144 98	
		\$24,871 28

Ferry Service:

Tolls	\$94,405 96	
Rent	547 33	
Commission on telephones	82 48	
Cleaning telephone booths	48 00	
Ice cream concession	52 00	
Sale of junk	10 00	
Sale of ferryboat "Noddle Island,"		
balance of amount	2 84	
Rebate on electric light bill	332 01	
		95,480 62

Lighting Service:

Damage to posts	504 00
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Paving Service:

From assessments on abutters for cost of laying sidewalks in front of their premises, including material for the same	\$54,353 59	
Permits	24,246 51	
Sale of material	3,329 74	
Labor and materials, chapter 27, section 9, R. O. 1925	72 75	
Labor and materials furnished, etc.	352 73	
Use of roller	302 38	
Rent of sign	301 83	
Repairing signs	171 18	
Damage to property	59 59	
Use of truck	5 00	
		83,195 30

<i>Carried forward</i>		\$204,051 20
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<i>Brought forward</i>		\$204,051 20	
Sanitary Service:			
Collection of commercial waste .	\$69,985 35		
Removing dirt from Farmers Market	3,855 25		
Sale of manure	3,507 90		
Sale of junk	12 00		
Damage to automobile	99 98		
Oiling streets	659 54		
Refund on bill	8 82		
			78,128 84
Sewer Service:			
Pumping sewage, amount received from Commonwealth .	\$11,998 37		
Entrance fees	7,441 50		
Assessments on old sewers	84 85		
Labor and materials furnished	686 23		
Rebate on electric light bill	59 05		
Goods returned	24 18		
Rents	60 00		
			20,354 18
Separate Systems of Drainage:			
Assessments	\$252 66		
Interest on assessments	39 20		
			291 86
Sewerage Works:			
Assessment, under chapter 450, Acts of 1899	\$64,808 51		
Interest on above	16,039 73		
From Commonwealth on account of break in Old Colony Parkway	12,500 00		
From Town of Brookline on account of Weld Park Outlet	10,000 00		
Service of Inspector	205 39		
Labor and materials	1,112 29		
Rent	200 00		
			104,865 92
Water Service:			
Water rates due:			
For the year 1930 and prior .	\$4,838,322 94		
Service pipes for new water takers, extending, repairing, etc.	83,492 05		
Labor and materials	3,860 23		
Elevator and fire pipe connections	22,112 24		
Sale of materials	4,572 96		
<i>Carried forward</i>	\$4,952,360 42	\$407,692 00	

<i>Brought forward</i>	\$4,952,360 42	\$407,692 00
Fees on overdue rates	8,934 80	
Shutting off and letting on water, ...	148 00	
Interest on deposits	1,094 52	
Testing meters	389 00	
Relocating hydrants	1,479 70	
Damage to hydrants	128 39	
Damage to pipes caused by picks, ...	9 19	
Damage to automobile	8 96	
Loan of tools	2 00	
Rent of meter	5 00	
Refund on bill	962 50	
Repairing boxes	21 89	
Installing water gates	2,572 14	
Abandoning main pipe	1,590 08	
		4,969,706 59
Total		<u><u>\$5,377,398 59</u></u>

CONTRACTS MADE BY THE PUBLIC WORKS DEPARTMENT FROM JANUARY 1, 1930, TO DECEMBER 31, 1930.
BRIDGE AND FERRY DIVISION (BRIDGE SERVICE).

Bridge Work.

CONTRACT.	Awarded to.	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1930.
² Replacing tower pins at Charlestown Bridge draw..	Boston Bridge Works, Inc.....	March 12, 1930.	Completed May 12, 1930...	\$6,000 00	\$4,805 31
¹ Building three spar floats for Chelsea Bridge North, Meridian Street and L Street Bridges.	The Marine Company.....	May 7, 1930.	Completed August 13, 1930.	1,095 00	1,095 00
¹ Repairing Dover Street Bridge, span 1.....	New England Construction and Maintenance Company.	May 7, 1930.	Completed July 9, 1930....	9,937 00	12,253 20
¹ Building pontoon float, Warren Bridge public landing.	The Marine Company.....	May 7, 1930.	Completed June 28, 1930...	3,595 00	3,595 00
¹ Pointing masonry piers, Dover Street Bridge.....	The Pierce Company, Inc.....	June 2, 1930.	Completed August 2, 1930...	7,195 00	8,264 09
¹ Repairing draw fender pier and fender guard of Meridian Street Bridge.	New England Construction and Maintenance Company.	June 3, 1930.	Completed Aug. 28, 1930...	5,690 00	4,440 60
² Furnishing labor and material for repairing draw span, Chelsea North Bridge.	W. H. Ellis & Son Company..	June 25, 1930.	Completed July 8, 1930....	1,350 00	1,350 00
³ Reconstruction of Summer Street Bridge over Reserved Channel.	Coleman Brothers, Inc.....	Aug. 8, 1930.	Unfinished.....	176,340 00	177,233 70
³ Overhauling and refitting draw trucks of Summer Street Bridge over Reserved Channel.	Bethlehem Shipbuilding Corporation, Limited.	Aug. 15, 1930.	Completed Nov. 19, 1930...	1,625 30	2,544 84
¹ Guniting and repairing Cambridge Street Bridge, over Boston & Albany Railroad.	Pierce Company, Inc.....	Aug. 19, 1930.	Completed Dec. 6, 1930....	12,850 00	15,612 47

¹ Advertised and awarded to the lowest bidder.

² Only bid; not advertised.

³ Advertised and awarded to other than the low bidder.

Bridge Work.—Concluded.

CONTRACT.	Awarded to.	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1930.
¹ Repairing Granite Avenue Bridge fender piers, over Neponset River.	V. James Grande.....	Sept. 11, 1930.	Completed Nov. 21, 1930....	4,660 00	1,981 73
¹ Furnishing and installing machinery and electrical control for Summer Street Draw, over Reserved Channel.	B e t h e l e m Shipbuilding Corporation, Limited.	Sept. 24, 1930.	Completed Dec. 17, 1930....	4,150 00	3,527 50
³ Building drawtender's house, operator's house and machinery covering Summer Street Bridge, over Reserved Channel.	Coleman Brothers, Inc.....	Oct. 8, 1930.	Unfinished.....	5,700 00	4,845 00
² Repairing Northern Avenue Draw Bridge, masonry pier.	A. G. Tomasello & Son, Inc..	Oct. 29, 1930.	Completed Dec. 18, 1930....	7,000 00	8,031 82
¹ Repairing masonry piers of Summer Street Bridge, over Fort Point Channel.	Maurice M. Devine.....	Oct. 29, 1930.	Unfinished.....	5,580 00	3,384 13
³ Repairing Northern Avenue Bridge, draw fender pier and fender guard.	W. H. Ellis & Son Company..	Oct. 29, 1930.	Unfinished.....	6,145 00	Nothing.
¹ Relining hydraulic cylinders, Charlestown Bridge draw.	B e t h e l e m Shipbuilding Corporation, Limited.	Nov. 10, 1930.	Unfinished.....	2,625 00	Nothing.
¹ Furnishing and installing cables and lights on the Longfellow Bridge, over the Charles River Basin, between Boston and Cambridge.	Quinn Brothers.....	Nov. 4, 1930.	Unfinished.....	6,130 90	Nothing.
¹ Furnishing and installing cables and lights on Summer Street Bridge, over Reserved Channel.	Conner Electric Corporation..	Nov. 22, 1930.	Unfinished.....	1,293 00	Nothing.
¹ Borings at Chelsea Bridge North, over the Mystic river.	Pierce Company, Inc.....	Dec. 11, 1930.	Unfinished.....	1,404 00	Nothing.

¹ Advertised and awarded to the lowest bidder.

² Only bid; not advertised.

³ Advertised and awarded to other than the low bidder.

BRIDGE AND FERRY DIVISION (FERRY SERVICE).

CONTRACT.	Awarded to.	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1930.
² Teaming coal to ferryboats.....	Delia L. Carter.....	Dec. 21, 1929.	Completed Dec. 31, 1930...	\$2,800 00	\$3,069 00
² Repairs to ferryboat "Daniel A. MacCornack"...	Bethlehem Shipbuilding Corporation, Limited.	March 12, 1930.	Completed March 27, 1930..	5,000 00	2,761 10
¹ Repairing hull, etc., of ferryboat "Lieutenant Flaherty."	R. T. Green Company.....	March 29, 1930.	Completed April 25, 1930...	7,211 00	5,243 00
¹ Building steel ferryboat.....	Bethlehem Shipbuilding Corporation, Limited.	April 5, 1930.	Unfinished.....	346,800 00	294,780 00
¹ Repairing piers at the North and South Ferries....	The Rendle Corporation.....	April 10, 1930.	Completed July 3, 1930.....	6,680 00	9,120 90
¹ Repairing hull, etc., of ferryboat "John H. Sullivan,"	R. T. Green Company.....	June 7, 1930.	Completed July 18, 1930...	9,486 00	8,483 00
² Painting ferry bridges.....	L. P. Steensen.....	June 14, 1930.	Completed July 22, 1930...	2,375 00	2,375 00
² Barriers for ferryboats.....	Boston Barrier and External Brake Company.	July 23, 1930.	Completed Dec. 29, 1930...	2,750 00	1,870 00
¹ Repairing hull, etc., of ferryboat "Ralph J. Palumbo."	Bethlehem Shipbuilding Corporation, Limited.	Sept. 12, 1930.	Completed Oct. 26, 1930...	8,000 00	5,638 00
¹ Repairing hull, etc., of ferryboat "Charles G. Donoghue."	Bethlehem Shipbuilding Corporation, Limited.	Oct. 30, 1930.	Completed Nov. 29, 1930...	7,443 00	4,363 75

¹ Advertised and awarded to the lowest bidder.

² Only bid; not advertised.

HIGHWAY DIVISION (LIGHTING SERVICE).
Contract in Force Made in Previous Years.

CONTRACT.	Awarded to.	Dated.	Progress of Work.	Price Per Gas Lamp Per Year.
Furnishing gas and for the equipment and lighting of gas lamps for a period of ten years, from April 1, 1924, to March 31, 1934, inclusive.	Boston Consolidated Gas Company.....	May 20, 1924.	Unfinished.....	\$11 00

¹ Advertised and awarded to the only bidder.

HIGHWAY DIVISION. Miscellaneous.

CONTRACT.	Awarded to.	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1930.
Erecting shed in Brighton paving yard.....	Edward T. MacNeil.....	Feb. 8, 1930.	Completed April 2, 1930....	\$2,000 00	\$2,000 00
Artificial stone footway in Duke street footway.....	M. Cummings Company.....	May 8, 1930.	Completed July 1, 1930....	2,600 00	2,600 00
Bulkhead Pier No. 3, Northern Avenue Bridge.....	The Rendel Corporation.....	May 29, 1930.	Completed Oct. 5, 1930....	13,842 50	9,337 50
Sidewalk and roadway on Nashua street at the Boston and Maine hotel building.	S. J. Tomasello.....	June 7, 1930.	Completed June 17, 1930....	2,500 00	2,493 61
Furnishing services, employees, instruments and materials by Samuel L. Leftovith.	Samuel L. Leftovith.....	Aug. 12, 1930.	Completed Oct. 21, 1930....	2,500 00	2,500 00
Furnishing services, employees, instruments and materials by Samuel L. Leftovith.	Samuel L. Leftovith.....	Oct. 22, 1930.	Unfinished.....	2,500 00	1,875 00
Building chain link fence at Atkinson street yard, Roxbury.	P. J. Dinn & Co.....	Nov. 22, 1930.	Unfinished.....	1,548 00	1,250 01
Repairing bituminous pavement in any street upon which the maintenance guaranty has expired, District 1.	Central Construction Company.	{ March 14, 1930. July 3, 1930. }	Completed Nov. 7, 1930....	113,400 00	113,458 39
Repairing bituminous pavement in any street upon which the maintenance guaranty has expired, District 2.	M. F. Gaddis.....	{ March 14, 1930. July 3, 1930. }	Completed Aug. 29, 1930....	113,450 00	107,390 00
Repairing bituminous pavement in any street upon which the maintenance guaranty has expired, District 1.	Central Construction Company.	Sept. 4, 1930.	Completed Dec. 23, 1930....	25,000 00	11,474 82
Repairing bituminous pavement in any street upon which the maintenance guaranty has expired, District 2.	M. F. Gaddis.....	Sept. 3, 1930.	Completed Dec. 11, 1930....	25,000 00	20,453 37

Removing Snow and Ice.

District.	Contractor.	Dated.	Progress of Work.	Price Per Cubic Yard.	Amount Expended in 1930.
District No. 1.....	J. F. White Contracting Company.....	Dec. 26, 1930.	Unfinished.....	\$0 49	Nothing.
District No. 2.....	A. Singarella.....	Dec. 26, 1930.	Unfinished.....	50	Nothing.
District No. 3.....	B. E. Grant Company.....	Dec. 26, 1930.	Unfinished.....	50	Nothing.
District No. 4.....	Joseph A. Singarella.....	Dec. 26, 1930.	Unfinished.....	60	Nothing.
District No. 5.....	C. & R. Construction Company.....	Dec. 29, 1930.	Unfinished.....	70	Nothing.
District No. 6.....	Coleman Brothers, Inc.....	Dec. 26, 1930.	Unfinished.....	60	Nothing.
District No. 7.....	Joseph P. McCabe, Inc.....	Dec. 30, 1930.	Unfinished.....	47	Nothing.
District No. 8.....	Beatty Construction Company.....	Dec. 29, 1930.	Unfinished.....	55	Nothing.
District No. 9.....	A. G. Tomasello & Son, Inc.....	Dec. 26, 1930.	Unfinished.....	65	Nothing.
District No. 10.....	D. M. Biggs & Co.....	Dec. 30, 1930.	Unfinished.....	45	Nothing.
District No. 11.....	J. B. O'Rourke Contracting, Inc.....	Dec. 26, 1930.	Unfinished.....	60	Nothing.
District No. 12.....	J. J. McCarthy & Co.....	Dec. 26, 1930.	Unfinished.....	49	Nothing.

SANITARY DIVISION (SANITARY SERVICE).

Collecting and Removing Ashes, Store Dirt, House Dirt, Refuse and Garbage.

District.	Awarded to	Dated.	Progress of Work.	Bid Per Month.	Amount Expended in 1930.
² East Boston.....	Massachusetts Contracting Company, Inc.,	Jan. 2, 1930.	Completed Dec. 31, 1930...	\$4,350 00	\$52,200 00
¹ Brighton.....	Thomas Joseph McCue.....	Jan. 2, 1930.	Completed Dec. 31, 1930...	5,795 00	69,540 00
¹ West Roxbury.....	John J. Moore Company.....	Jan. 2, 1930.	Completed Dec. 31, 1930...	3,890 00	46,680 00
² Dorchester.....	Coleman Brothers, Inc.....	Jan. 2, 1930.	Completed Dec. 31, 1930...	19,890 00	238,680 00
¹ Hyde Park.....	Thomas E. Bryan.....	Jan. 2, 1930.	Completed Dec. 31, 1930...	975 00	11,700 00

¹ Advertised and awarded to the lowest bidder.

² Advertised and awarded to the second bidder.

Contract in Force Made in Previous Years.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Bid Per Year.	Amount Expended in 1930.
¹ Disposal of garbage and refuse for ten years, from July 1, 1922 to July 1, 1932.	Coleman Brothers, Inc.....	Dec. 31, 1921.	Unfinished.....	\$345,000 00	\$345,000 00

¹ Advertised and awarded to the lowest bidder.

SANITARY DIVISION (SANITARY SERVICE).

Miscellaneous.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1930.
² Removing manure from the stables and yards in the various divisions of the department.	J. N. Smith & Co.....	Dec. 30, 1929.	Completed Dec. 31, 1930....	* \$12 60	* \$3,507 90
¹ Dredging dock Fort Hill Wharf Garbage Station...	Bay State Dredging and Contracting Company.	July 12, 1930.	Completed July 31, 1930....	6,200 00	7,224 24
¹ Repairing garbage dump station, Fort Hill Wharf, Atlantic avenue.	New Construction and Maintenance Company.	Sept. 10, 1930.	Completed Nov. 7, 1930....	11,695 00	10,763 55
¹ Repairing garbage dump station at South street...	New England Maintenance Company, Inc.	Nov. 10, 1930.	Unfinished.....	8,127 50	3,345 94
¹ Repairing garbage dump station, Albany street....	New England Maintenance Company, Inc.	Dec. 24, 1930.	Unfinished.....	10,972 50	4,466 11

¹ Advertised and awarded to the lowest bidder.

² Advertised and awarded to the highest bidder.

* Per horse per year; paid to city.

WATER DIVISION (WATER SERVICE).
Laying and Relaying Water Pipes.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1930.
¹ Cambridge street, Brighton	M. DeSisto Company	March 26, 1930.	Completed April 18, 1930...	\$2,310 00	\$1,559 92
¹ Bunker Hill street, Charlestown	John Williams	March 26, 1930.	Completed May 13, 1930...	4,725 00	3,589 26
¹ Colonial path, Brighton; Herbert road, LaGrange street, Lasell street, Lyall street, Oakdale avenue, Stimson street and Washington Street Boulevard, West Roxbury.	Roxbury Concrete Construction Company, Inc.	March 29, 1930.	Completed May 24, 1930...	2,863 00	2,809 91
¹ Dorchester avenue, South Boston	M. DeSisto Company	April 1, 1930.	Completed June 14, 1930...	5,700 00	4,296 64
¹ Adelaide terrace, Cheswick road, Dent street, West Roxbury; Austin street, DeForest street, Ferrar avenue and Sherrin street, Hyde Park.	D. Vozzella	April 11, 1930.	Completed May 31, 1930...	2,556 25	2,616 28
¹ Eustis street, Comins terrace, Roxbury; Gustine street, Rosalerin street, Claymont terrace, Dorchester; Macallen street and Foundry street, South Boston.	Appel & O'Toole	April 30, 1930.	Completed June 30, 1930...	3,431 00	3,242 17
¹ Colonial road, Brighton; Lennoco road, Orchard avenue, West Roxbury; Huntington avenue and Thatcher street, Hyde Park.	Louis Balboni	June 2, 1930.	Completed July 25, 1930...	6,447 50	6,199 95
¹ Athlone avenue, Gallivan Boulevard, Dorchester; Thatcher street, Hyde Park; Cottage road, West Roxbury; Everett Street Extension and Lake Shore road, Brighton.	Roslindale Contracting Company, Inc.	June 14, 1930.	Completed Aug. 2, 1930...	4,637 00	3,866 38
¹ Franklin street, Warrenton street, Brattle square, Jefferson street, city proper; and Alleghany street, Roxbury.	Appel & O'Toole	June 16, 1930.	Completed Aug. 15, 1930...	4,275 00	3,592 29
¹ Alcott street, Franklin street, Lincoln street, Mansfield street and North Harvard street, Brighton.	Roxbury Concrete Construction Company, Inc.	June 19, 1930.	Completed Sept. 15, 1930...	7,652 00	6,614 11

² Arcadia street, Draper street, and King street, Dorchester.	M. DeSisto Company.....	June	30, 1930.	Completed Aug. 9, 1930....	4,875 00	4,402 27
³ Buchanan road, Montclair avenue, Souther street, Weld street, West Roxbury; and Washington street, Dorchester.	John Davey.....	June	30, 1930.	Completed Sept. 6, 1930....	2,637 50	2,334 54
¹ Gloria road, Navarre street, Wycliff avenue, West Roxbury; Arbella road and Gallivan Boulevard, Dorchester.	C. Russo.....	July	14, 1930.	Completed Aug. 11, 1930....	3,328 70	3,567 05
¹ Clisholm road, Cypress street, Halton road, Spring road, West Roxbury; and Thatcher street, Hyde Park.	Joseph Capone.....	July	24, 1930.	Completed Sept. 27, 1930....	4,021 25	4,190 38
¹ Almont street and Oakhurst street, Dorchester; Beacon street and Metropolitan avenue, Hyde Park; Dwinell street, West Roxbury.	Roslindale Contracting Company.	Aug.	21, 1930.	Completed Oct. 25, 1930....	7,542 00	5,143 11
¹ Fremont street, Liversidge way and River street, Dorchester.	M. DeSisto Company.....	Aug.	28, 1930.	Completed Sept. 24, 1930....	2,680 00	2,266 80
³ Washington place, Roxbury; Olney street, Norwood street, Holden street, Linden street, Lyon street, Gaylord street and Minton street, Dorchester.	Appel & O'Toole.....	Sept.	3, 1930.	Completed Dec. 1, 1930....	7,490 00	6,491 26
¹ Carolina avenue, John A. Andrew street, Newbern street and Prentiss road, West Roxbury.	Joseph Capone.....	Oct.	1, 1930.	Completed Dec. 13, 1930....	4,537 60	3,437 54
³ Chardon street, city proper.....	Roxbury Concrete Construction Company, Inc.	Oct.	29, 1930.	Completed Dec. 9, 1930....	2,122 00	2,740 71
¹ Glenwood avenue, Seminole street, Hyde Park; Undine road, Brighton; Libby street, West Roxbury; and O'Connell road, Dorchester.	Roxbury Concrete Construction Company, Inc.	Nov.	6, 1930.	Completed Dec. 22, 1930....	2,170 00	1,165 99
¹ Bennington street, East Boston; Cushing Hill road, Dorchester.	M. DeSisto Company.....	Dec.	6, 1930.	Unfinished.....	4,837 50	2,085 90
¹ Hunnewell avenue, Brighton; Atwill road, Halliday street, Petrel road, West Roxbury; and Pleasant Hill avenue, Dorchester.	C. Struzziery.....	Dec.	30, 1930.	Unfinished.....	2,372 50	Nothing.

¹ Advertised and awarded to the lowest bidder.

² Unadvertised and awarded to other than low bidder.

³ Awarded to other than low bidder.

Area of Pavements.
Area in Square Yards and Character of Pavements on Accepted Streets, January 1, 1931.

District.	Sheet Asphalt.	Asphalt Concrete.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Macadam.	Gravel.	Not Graded.	Totals.
Year 1929 report.....	1,483,758	1,764,173	2,649,453	185,228	23,824	45,653	147,255	5,371,587	386,692	94,250	12,151,873
Per cent.....	12.21	14.52	21.80	1.52	0.20	0.38	1.21	44.20	3.18	0.78	100.00
January 1, 1931.											
City proper.....	519,905	428,089	821,589	71,762	4,847	10,668	6,236	209,054	1,032	12,197	2,085,379
Charlestown.....	6,625	22,936	247,475	2,622	1,999	756	18,751	146,429	855	.....	448,448
East Boston.....	73,891	46,518	142,252	187	1,422	771	.....	430,576	5,059	865	701,541
South Boston.....	88,017	57,674	400,396	13,670	5,815	3,004	3,642	351,150	9,166	39,135	971,669
Roxbury.....	332,316	242,780	387,208	19,115	1,022	5,691	15,296	666,243	17,540	61	1,687,272
West Roxbury.....	247,002	397,207	173,163	417	1,471	.....	33,662	1,054,605	56,351	19,160	1,983,038
Dorchester.....	300,816	453,404	275,241	41,809	2,163	23,969	31,893	1,470,047	51,892	8,972	2,660,306
Brighton.....	198,779	307,918	93,157	4,080	1,696	.....	41,425	457,729	33,889	10,662	1,149,335
Hyde Park.....	2,538	56,833	13,128	2,212	2,339	.....	.....	349,188	189,638	7,919	624,295
Total.....	* 1,769,889	† 2,013,359	‡ 2,553,709	155,874	23,274	44,859	\$ 150,905	|| 5,135,021	365,422	98,971	12,311,283
Per cent.....	14.38	16.35	20.74	1.27	0.19	0.36	1.23	41.71	2.97	0.80	100.00

NOTE.— In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. Territory annexed from Brookline is included in city proper.

* Of this amount 2,096 square yards is Biturock, and 1,348 square yards is Kyrook, and 470 square yards is Unionite.

† Of this amount 693 square yards is asphalt block, and 155,296 square yards is asphalt concrete, and 1,584,794 square yards is bitulithic, and 959 square yards is Filbertine, and 21,894 square yards is Simasoo, and 249,106 square yards is Topeka, and 416 square yards is Carey Elastite paving, and 201 square yards is Johns-Manville asphalt plank paving.

‡ Of this amount 520 square yards is cobble, and 1,724,271 square yards is granite block paving on concrete base.

§ Of this amount 946 square yards is Blome Granitoid concrete blocked pavement.

|| Of this amount 2,635,703 square yards is bituminous macadam.

6.28 miles or 33,026 square yards public alleys included in this table.

7.24 miles or 303,140 square yards public streets, in charge of Park Department, included in this table.

3.09 miles or 88,435 square yards public streets, in charge of Commonwealth of Massachusetts, included in this table.

7,271 square yards of accepted footways.

DISTRICT.	Sheet Asphalt.	Asphalt Concrete.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Macadam.	Gravel.	Not Graded.	Totals.
Year 1929 report.....	79.97	84.79	101.12	8.16	1.14	2.04	8.62	326.24	25.28	2.39	639.75
Per cent.....	12.50	13.25	15.81	1.28	0.18	0.32	1.35	50.99	3.95	0.37	100.00
January 1, 1931.											
City proper.....	27.27	18.85	33.96	3.29	0.19	0.46	0.73	11.97	0.07	0.01	96.80
Charlestown.....	0.46	1.39	10.48	0.10	0.07	0.04	0.78	10.08	0.06	.....	23.46
East Boston.....	3.38	1.92	6.27	0.01	0.10	0.04	.....	21.61	0.26	0.04	33.63
South Boston.....	5.37	2.60	16.33	0.79	0.23	0.12	0.12	18.93	0.55	1.47	46.51
Roxbury.....	18.39	11.82	14.79	0.86	0.04	0.28	0.72	44.42	1.38	.....	92.70
West Roxbury.....	14.83	20.52	3.64	0.02	0.07	.....	2.33	68.99	3.38	0.42	114.20
Dorchester.....	16.29	23.15	10.13	1.68	0.11	1.07	1.87	90.42	3.31	0.12	148.15
Brighton.....	8.60	15.14	0.91	0.11	0.10	.....	2.22	26.70	2.37	0.10	56.25
Hyde Park.....	0.15	2.56	0.08	0.13	0.16	.....	.....	19.97	12.56	0.24	35.85
Total.....	*94.74	†97.95	‡96.59	6.99	1.07	2.01	§8.77	||313.09	23.94	2.40	647.55
Per cent.....	14.63	15.13	14.92	1.08	0.16	0.31	1.35	48.35	3.70	0.37	100.00

NOTE.—In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. Territory annexed from Brookline is included in city proper.

* Of this amount 0.16 mile is Biturock, and 0.08 mile is Kyrock, and 0.02 mile is Unionite.

† Of this amount 0.00 mile is asphalt block, and 7.47 miles is asphalt concrete, and 76.17 miles is bitulithic, and 0.06 mile is Filbertine, and 1.27 miles is Simasco, and 12.96 miles is Topeka, and 0.02 mile is Carey Elastite paving, and 0.00 mile is Johns-Manville asphalt plank paving.

‡ Of this amount 0.04 mile is cobble and 57.53 miles is granite block paving on concrete base.

§ Of this amount 0.06 mile is Blome Granitoid concrete blocked pavement.

|| Of this amount 152.99 miles is bituminous macadam.

6.28 miles public alleys included in this table.

7.24 miles public streets, in charge of Park Department, included in this table.

3.09 miles public streets, in charge of Commonwealth of Massachusetts, included in this table.

In addition to this table there are 1.45 miles of accepted footways.

The following changes were made in pavement during the year 1930:

1.00 mile or 19,728 square yards sheet asphalt changed to bitulithic.
 0.03 mile or 168 square yards sheet asphalt changed to concrete.
 0.02 mile or 78 square yards wood block changed to granite block.
 0.05 mile or 1,110 square yards asphalt concrete changed to sheet asphalt.
 0.00 mile or 337 square yards asphalt concrete changed to bitulithic.
 0.24 mile or 5,551 square yards bitulithic changed to sheet asphalt.
 0.00 mile or 76 square yards bitulithic changed to asphalt concrete.
 0.42 mile or 6,755 square yards Topeka changed to sheet asphalt.
 0.70 mile or 12,267 square yards Topeka changed to bitulithic.
 0.01 mile or 88 square yards Simasco changed to sheet asphalt.
 0.00 mile or 90 square yards Simasco changed to bitulithic.
 2.09 miles or 46,651 square yards granite block changed to sheet asphalt.
 0.00 mile or 2,037 square yards granite block changed to asphalt concrete.
 2.56 miles or 57,945 square yards granite block changed to bitulithic.
 0.12 mile or 3,686 square yards granite block changed to concrete.
 0.00 mile or 90 square yards cobble changed to sheet asphalt.
 0.00 mile or 337 square yards cobble changed to bitulithic.
 0.47 mile or 9,445 square yards wood block changed to sheet asphalt.
 0.71 mile or 20,303 square yards wood block changed to bitulithic.
 0.02 mile or 201 square yards plank on bridges changed to Carey elastite paving.
 0.00 mile or 201 square yards plank on bridges changed to Johns-Manville asphalt plank paving.
 0.02 mile or 269 square yards plank on bridges changed to granite block.
 0.02 mile or 422 square yards plank on bridges changed to wood block.
 0.04 mile or 695 square yards brick changed to sheet asphalt.
 0.00 mile or 116 square yards brick changed to bitulithic.
 0.01 mile or 178 square yards concrete changed to bitulithic.
 8.95 miles or 178,357 square yards macadam changed to sheet asphalt.
 0.54 mile or 7,989 square yards macadam changed to asphalt concrete.
 4.18 miles or 73,233 square yards macadam changed to bitulithic.
 0.03 mile or 3,951 square yards macadam changed to granite block.
 0.00 mile or 19 square yards macadam changed to plank.
 0.00 mile or 1,900 square yards macadam changed to gravel.
 2.40 miles or 37,853 square yards gravel changed to sheet asphalt.
 0.06 mile or 941 square yards gravel changed to asphalt concrete.
 1.99 miles or 30,172 square yards gravel changed to bitulithic.
 0.01 mile or 80 square yards gravel changed to granite block.
 0.50 mile or 8,047 square yards gravel changed to macadam.
 0.00 mile or 423 square yards not graded changed to sheet asphalt.
 0.05 or 4,007 square yards not graded changed to bitulithic.
 0.12 mile or 12,916 square yards not graded changed to macadam.

EMPLOYEES.

The following tables show the number of requisitions made on the Civil Service Commission for men; the number appointed, reinstated, died, resigned, transferred and retired; also the grade and number of employees in the department:

Requisitions made on the Civil Service Commission	28
Number of men called	67
Number of men certified	125
Number of men appointed	89

Promotions allowed	92
Reinstatements allowed	* 89
Number of men resigned	14
Number of men died	36

The records of the department show that there are now 3,079 persons eligible for employment in the several divisions and of that number 3,014 were upon the January, 1931, pay rolls.

Grade and Number of Employees.

TITLE.	SERVICES.								
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.
Commissioner.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Division engineers.....	.....	1	1	1	.....	.....	1	.....	1
Engineers in charge.....	.....	1	.....	.....	.....	.....	.....	.....	1
Chief clerk.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Clerks.....	38	22	10	2	2	1	2	1	50
Assistant engineers (civil).....	.....	15	32	1	.....	.....	9	.....	5
Draughtsmen.....	.....	1	10	.....	.....	.....	4	.....	2
Instrumentmen.....	.....	11	15	.....	.....	.....	4	.....	7
Rodmen.....	.....	6	4	.....	.....	.....	2	.....	.....
Inspectors.....	1	36	43	49	31	.....	3	1	27
Foremen.....	.....	11	4	12	13	.....	1	.....	13
Subforemen.....	.....	20	.....	.....	.....	.....	3	.....	.....
Address printers.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Blacksmiths and assistants.....	.....	7	13	20	.....	.....	.....	.....	5
Blueprinters.....	2	.....	4	.....	.....	.....	.....	.....	.....
Chauffeurs-teamsters.....	1	52	19	73	34	.....	4	.....	14
Carpenters and assistants.....	.....	16	3	7	.....	5	17	.....	6
Chief inspectors.....	.....	1	.....	.....	.....	.....	.....	.....	1
Cement testers and assistants.....	3	.....	.....	.....	.....	.....	.....	.....	.....
Chemists and assistants.....	.....	2	.....	.....	.....	.....	.....	.....	.....
Coal passers.....	.....	.....	2	.....	.....	.....	.....	.....	.....
Constables.....	.....	1	.....	4	.....	.....	.....	.....	15
Cashier.....	.....	.....	.....	.....	.....	1	.....	.....	.....
<i>Carried forward</i>	47	203	160	169	80	7	50	2	150

* Eighty-six on eligible list, *January 1, 1930.

Grade and Number of Employees.—Continued.

TITLE.	SERVICES.									
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
<i>Brought forward</i>	47	203	160	169	80	7	50	2	150	868
Drawtenders and assistants.....							133			133
Deckhands.....						26				26
Engineers (steam).....		11	5			12				28
Electricians.....			3			1	1			5
Feeders.....		1		3						4
Firemen.....		7	10			30				47
Gatemen.....			4			16				20
General foremen.....		1	1			1			1	4
Harnessmakers and assistants.....				6						6
Head chauffeurs.....		4			1					5
Horseshoers.....				9						9
Janitor.....						1				1
Matrons.....						7				7
Joiners.....						5				5
Laborers.....		268	76		136	11	5		160	656
Lamplighter.....						1				1
Machinist and assistants.....			4			9	1		20	34
Meter testers.....									8	8
Meter readers.....									30	30
Masons (stone and brick).....			10	1					2	13
Medical inspectors.....		1		1	1					3
Oilers.....			17			16				33
Pipe fitters and repairers.....						2			16	18
Pavers.....		67							3	70
Plumbers.....									20	20
Painters.....		7	1	10		3	3			24
Captains.....						12				12
Quartermasters.....						12				12
Repairers.....		26	1		1				108	136
Roofer.....						1				1
Rammers.....		4								4
Rigger.....						1				1
<i>Carried forward</i>	47	600	292	199	219	174	193	2	518	2,247

Grade and Number of Employees.—Concluded.

TITLE.	SERVICES.									
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
<i>Brought forward</i>	47	600	292	199	219	174	193	2	518	2,214
Sealers.....									3	3
Sewer flushers.....			29							29
Supervisors and deputy.....		1		1			1			3
Stenographers.....		1	1							2
Stonecutters.....		10	2							12
Superintendents and deputy.....		2	1						2	5
Stockkeepers.....				1		1				2
Stableman.....		14		15	25		2		1	57
Teamsters and helpers.....		86		405	151				12	654
Telephone operators.....					1				1	2
Tollmen.....						13				13
Chief veterinarian.....		1								1
Watchmen.....				10	5		2		6	23
Weighers.....				1						1
Wharfingers.....				2						2
Wharfmen.....				3						3
Wheelwrights and assistants.....				8						8
Yardmen.....		3	2	2	1				7	15
Totals.....	47	718	327	647	402	188	198	2	550	3,079

Number of Employees Actually Employed January 1, 1930, and
January 1, 1931.

	Central Office.	Bridge.	Ferry.	Lighting.	Paving.	Sanitary.	Sewer.	Street Cleaning and Watering.	Water.	Total.
January 1, 1930.....	39	189	179	2	739	651	343	403	535	3,080
January 1, 1931.....	38	198	179	2	710	621	326	397	543	3,014

Total Eligible Force.

January 1, 1930.....	47	191	187	2	736	670	346	417	535	3,131
January 1, 1931.....	47	198	188	2	718	647	327	402	550	3,079

Appointments, Transfers, Resignations, Retirements, Deaths, etc., of Employees.

Died.	Retired.	Transferred to Other Depart- ments.	Transferred to Other Services.	Discharged.	Resigned.	January 1, 1930.	SERVICES, 1930-1931.	January 1, 1931.	Transferred from Other Services.	Transferred from Other Depart- ments.	Reinstated.	Appointed.
*	1	.....	1	.....	.....	47	Central Office.....	* 47	.....	1	.....	1
3	4	.....	3	.....	1	191	Bridge.....	198	2	.....	.....	16
2	6	.....	2	.....	2	187	Ferry.....	188	.....	1	.....	12
.....	.....	.....	.....	.....	.....	2	Lighting.....	2	.....	.....	.....	.....
9	19	1	5	5	3	736	Paving.....	718	12	2	1	9
7	16	.....	14	4	2	670	Sanitary.....	647	9	2	1	8
6	7	2	5	2	3	417	Street Cleaning.....	402	7	2	1	.....
4	21	1	.....	1	.....	346	Sewer.....	327	4	2	.....	2
5	13	1	6	.....	3	535	Water.....	550	2	.....	.....	41
36	87	5	36	12	14	3,131	Totals.....	3,079	36	10	3	89

* Includes eight Central Office employees who are paid on Water Service pay roll.

PART II.
APPENDICES.

APPENDIX A.

CENTRAL OFFICE.

Appropriation	\$92,658 81
Expenditures from January 1, 1930, to December 31, 1930	89,937 12
Balance	<u>\$2,721 69</u>

Expenditures.

Salary, Commissioner	\$9,000 00
Salaries of clerks, stenographers, etc.	75,517 91
Automobile expenses:	
Wages of chauffeur	\$1,884 00
Repairs, etc.	68 56
Gasoline and oil	207 09
Supplies, tires, etc.	92 17
Registration	7 50
	<u>2,259 32</u>
Printing	1,387 98
Stationery	714 05
Postage	360 01
Telephone tolls	31 65
Travel	30 90
Books, papers and office supplies	125 27
New typewriter and adding machine	227 08
Inspection of typewriters	127 50
Directories	87 50
Premium on bonds	10 00
Sundries	57 95
Total	<u>\$89,937 12</u>

APPENDIX B.

REPORT OF THE DIVISION ENGINEER OF
THE BRIDGE AND FERRY DIVISION.

BOSTON, January 2, 1931.

MR. J. A. ROURKE,
Commissioner of Public Works.

DEAR SIR,—I respectfully submit the following report of the income, expenditures and operation of the Bridge and Ferry Division for the year ending December 31, 1930. The expenditures of the division in the regular maintenance appropriations of the department were \$453,367.18. Under a number of special appropriations \$1,034,862.58 was expended, making the total expenditure for the year \$1,488,229.76. This does not include certain expenditures for construction work for other departments, which work was supervised by the engineers of this division.

The more important works undertaken during the past year in the Bridge Service were the reconstruction of Congress Street Bridge, over Fort Point channel, which was started in 1929 but was not finished until the end of 1930; and the reconstruction of River Street Bridge, Hyde Park, which involved considerable work on the approaches to the bridge.

An appropriation should be made as soon as possible for the reconstruction of Morton Street Bridge, over the New York, New Haven & Hartford Railroad, as the street on either side of the bridge is much wider than the bridge, making a bottle neck at the bridge which is dangerous to traffic. The Railroad Company is willing to contribute toward the cost of the structure.

Albany Street Bridge, over the passenger tracks of the Boston & Albany Railroad, and Shawmut Avenue Bridge, over the tracks of the New York, New Haven & Hartford Railroad and Boston & Albany Railroad are both deteriorating from rapid corrosion and should be rebuilt.

The pile approaches to the draw span of Chelsea North Bridge, which are badly deteriorated and gradually getting to be in a dangerous condition, should be rebuilt at once, preferably with a steel superstructure on masonry piers. As this will involve an expenditure of probably over \$1,000,000, it would be advisable to obtain a legislative act allowing the city to borrow some of the money outside of the debt limit.

In the Ferry Service a new steel boat has been built, which will go into service early in the year 1931.

*Cambridge Street Bridge, Over Boston & Albany
Railroad, Allston.*

On August 19, 1930, a contract was approved with the Pierce Company, Inc., for guniting and repairing this bridge. Concrete was falling from the reinforcing steel and the floor beams onto the tracks of the railroad and the condition became so bad that repairs were necessary. The work had to be done from the tracks and in order not to interfere unduly with train service the work had to be done after midnight and only over one track at a time, making the repairs costly and slow. The work was completed December 6, 1930, at a contract cost of \$16,434.26.

Charlestown Bridge.

On March 12, 1930, a contract was approved with the Boston Bridge Works, Inc., for replacing eight badly worn tower pins at this bridge with new ones. The work was completed promptly at a contract cost of \$5,414.13.

Owing to the sluggish overhauling of the end lifts it was deemed advisable to reline the hydraulic cylinders on the end lifts of the draw span and a contract with the Bethlehem Shipbuilding Corporation was approved November 10 for this work. The contract is not yet completed as only one cylinder can be handled at a time and the work can be done only at night.

Congress Street Bridge.

The reconstruction of this bridge, started under a contract with Coleman Brothers, Inc., approved September 13, 1929, was carried nearly to completion, being completed January 6, 1931, at a contract cost of \$765,041.41. There was also a cost of \$6,006 charged

to reconstruction of streets for some street changes, chiefly in grades on the South Boston approach to the bridge. The old bridge consisting of a steam operated steel swing draw span with wooden floor and pile approaches was entirely removed.

The new bridge is an electrically operated steel bascule draw span with wood block roadway floor, furnishing a channel 75 feet wide and with foundations sufficiently deep to allow a channel depth of 30 feet at mean low water in the future, although at present the channel is dredged for a depth of but 25 feet at mean low water.

The spans approaching the draw span are of steel on masonry foundations with concrete floor slab, granite block roadway pavement and granolithic sidewalks. The roadway width is 40 feet between curbs and there are two sidewalks each about 7 feet wide.

The foundations are faced with granite above low water and rest on oak piles. The ground was firm and almost all the piles reached to about 70 feet below city base. A slight change in the elevation of the approaches was made to keep the draw machinery out of the water at high tide.

On account of the greater width of roadway, greater strength of bridge, more quickly acting draw span, wider channel and better pavement, the conditions at this place are vastly improved over those existing previous to the rebuilding.

Dover Street Bridge.

June 2, 1930, a contract was approved with the Pierce Company, Inc., for pointing the masonry piers at this bridge. The joints from which the mortar had disappeared were raked out and gunite shot into them. The draw center piers were repaired partly by gunite and also by granite blocks placed around the old concrete and the joints of the blocks filled with gunite. The work was almost entirely between high and low tidal range. The work was completed August 2, 1930, at a contract cost of \$8,264.09.

Dover Street Bridge.

May 7, 1930, a contract was approved with the New England Construction and Maintenance Company for repairing span No. 1 (which is the one nearest to the

Boston abutment). The steelwork of this span was badly deteriorated. Some of the steel was repaired by addition of new plates and rivets and some of the beams were replaced by new ones. The floor was entirely renewed with new material. The work was completed July 9, 1931, at a contract cost of \$12,253.20.

Meridian Street Bridge.

June 3, 1930, a contract was approved with the New England Construction and Maintenance Company for repairing the fender guard, draw fender pier and platform of drawtender's house. The repairs consisted chiefly in replacing rotten and broken timber, planking and piling with new material. The work was completed August 28, 1930, at a contract cost of \$4,438.60.

Longfellow Bridge.

November 4, 1930, a contract was approved by the Boston and Cambridge Commission with Quinn Brothers for installing cables and lights on this bridge. The old lights on the sidewalks are to be entirely removed and new lights installed on the trolley poles. The Boston Elevated Railway Company made an agreement with the Boston and Cambridge Commission on August 29, 1930, allowing the latter to fasten the lighting fixtures to the poles at a rental of two dollars per pole per year. The lighting on the bridge will be greatly improved and the maintenance cost will be reduced. The work will be completed early in 1931.

Northern Avenue Bridge.

On October 29, 1930, a contract was approved with W. H. Ellis & Son Company for repairing draw fender and fender guards of this bridge. The repairs consist in replacing rotten and broken timber planking and piling with new material. This work will be completed early in 1931.

On October 29, 1930, a contract was approved with A. G. Tomasello & Son Company for repairing draw-bridge masonry pier of this bridge. The draw pit was leaking badly and water was apparently coming through the concrete as well as through poor joints in the masonry. A trench was dug in the deteriorated concrete just outside the stone masonry ring to firm concrete

and the trench filled with a rich mixture of concrete. The joints in the stone masonry were cleaned and pointed again with fresh mortar and then the mortar was protected by a pointing of lead wool. The leakage was greatly diminished and it is hoped that the improvement will last for some years. The work was completed December 18, 1930, at a contract cost of \$8,454.55.

River Street Bridge (Hyde Park).

On August 7, 1929, a contract was approved with John McCourt Company for rebuilding this bridge.

The old bridge spanned two tracks and consisted of a two-girder span with a wooden floor system about 40 feet long by 35 feet wide, supported on dry rubble masonry abutments.

The new bridge is a two-girder span 86 feet long by 56 feet wide, having a 36-foot roadway and 10-foot sidewalks. The headroom over the tracks was increased to 18 feet and the length of span sufficient to allow 4 tracks on the railroad. The floor system consists of 26-inch Bethlehem girder beams (encased in concrete), spaced about 3 feet on centers, supporting a 6-inch reinforced concrete slab and a 4-inch granite block pavement. The bottom of the bridge is protected from engine blast by a ceiling of steel and cast-iron blast plates. Two new gravity type concrete abutments with wing walls on north side and reinforced concrete stairs on south side were built. In connection with this work the grade of River street for about 500 lineal feet each side of the bridge, the grade of Woodland road, Agnes avenue, Tileston and Blake streets were raised. This required filling the above streets to the new grades, the building of a reinforced concrete retaining wall on the north side of River street, west of Tileston and on Tileston street northerly, a gravity concrete retaining wall on the north side of Poydras street to retain the southeast side slope of River street, the construction of edgestones, gravel sidewalks and bituminous macadam roadways. The bridge was built in accordance with an order of the Public Utilities Department of the Commonwealth. The New York, New Haven & Hartford Railroad contributed the sum of \$51,200 toward the cost of the work. The contract was completed July 10, 1930, at a contract cost of \$115,223.70.

Summer Street Bridge (over Fort Point Channel).

On October 29, 1930, a contract was approved with Maurice M. Devine for pointing masonry piers of this bridge. The mortar in the joints of the masonry between high and low tide was nearly gone. The joints are being cleaned and shot full of gunite. The work will be completed early in 1931 at an approximate cost of \$3,400.

Summer Street Bridge (over Reserved Channel).

On June 6, 1930, a fire broke out on the pile structure on the Boston approach to the draw span and destroyed a large section of the pile bridge and a small section of the span.

As there was a widening of the street projected on the South Boston side, in the rebuilding it was deemed advisable to widen the bridge (both the pile structure and draw span). The bridge was widened from 60 feet to 70 feet, having a roadway width of 56 feet and sidewalks 7 feet wide, except at the draw span where the roadway width is 53 feet and the sidewalk width $6\frac{1}{2}$ feet.

New piles were driven under the new sidewalks on the unburned portion of the bridge.

On the portion which was destroyed by fire new piles were driven, new caps placed on them and steel stringers placed on these caps. A concrete slab was poured for a floor and a concrete roadway pavement placed on the floor slab. The sidewalks, except for the draw span, were given a granolithic finish and a chain link fence erected on the street line. A wing wall was built on the westerly street line on the South Boston side, thereby straightening out a bad angle at the abutment by filling in for the street.

The South Boston side, not having been destroyed by fire, was changed chiefly by the widening.

The draw span was widened by the erection of sidewalk brackets and the placing of a wooden sidewalk on them.

The job was done under a contract with Coleman Brothers, Inc., approved August 8, 1930, completed December 29, 1930, at a contract cost of \$236,789.19.

In connection with this work other contracts were completed as follows:

The draw trucks were overhauled and refitted by the Bethlehem Shipbuilding Corporation, Limited, under

a contract approved August 15, 1930, completed November 19, 1930, at a contract cost of \$2,993.93.

The machinery and electrical control was installed by the Bethlehem Shipbuilding Corporation, Limited, under contract approved September 24, 1930, completed December 17, 1930, at a contract cost of \$4,150.

A drawtenders' house was built, together with an operating house, by Coleman Brothers, Inc., under a contract approved October 8, 1930, completed December 12, 1930, at a contract cost of \$5,700.

Lighting fixtures were placed on trolley poles and necessary lighting cables installed under a contract with the Connor Electric Company approved November 22, 1930, completed December 31, 1930, at a contract cost of \$1,540.

Pontoon Float at Warren Bridge, over Charles River Basin.

On May 7, 1931, a contract was approved with the Marine Company for building a pontoon float for the public landing at this bridge. The work was completed June 28, 1930, at a contract cost of \$3,595.

Spar Floats at Chelsea North, Meridian and Summer Street (formerly L Street) Bridges.

On May 7, 1930, a contract was approved with the Marine Company for building three spar floats at the above bridges. The work was completed August 12, 1930, at a contract cost of \$1,095.

Miscellaneous Repairs, Bridge Service.

At the Atkinson street yard the old fence had fallen down and there was a great deal of trespassing and material was being lost.

A new chain link fence was placed around the yard under a contract with P. J. Dinn Company, approved November 22, 1930, completed January 22, 1931, at a contract cost of \$1,548.

Day Labor Force.

The day labor force placed a new wooden flooring on Dorchester Avenue Bridge, Boston Street Bridge and Southampton Street Bridge, all over the tracks of the New York, New Haven & Hartford Railroad,

after the railroad company completed the work of repairing the steel parts of these bridges.

Cummins Highway Bridge, formerly Oakland Street Bridge, Mattapan, was repaired by the railroad company making repairs to the steel work and the city rebuilt the wooden flooring with an asphalt plank top.

*Miscellaneous Repairs for Other Divisions and
Departments of the City.*

Repairs were made to the timber work at the pier of Engine 44, at Northern Avenue Bridge, for the Fire Department, by the New England Construction and Maintenance Company, under contract approved May 8, 1930, completed July 3, 1930, at a contract price of \$3,460.

The dock at Fort Hill Wharf Garbage Station, owned by the Sanitary Division, Public Works Department, was dredged under a contract with the Bay State Dredging and Contracting Company, approved July 12, 1930, completed July 31, 1930, at a contract cost of \$7,224.24.

Miscellaneous repairs consisting of some new piling and repairs to old piling, refitting spur shores, new sheathing and planking were made to the garbage station at Fort Hill Wharf, for the Sanitary Division, Public Works Department, by the New England Construction and Maintenance Company under a contract approved September 10, 1930, completed November 7, 1930, at a contract cost of \$12,663.

Repairs were made to the refuse station at Victory road, Dorchester, for the Sanitary Division, Public Works Department, by the New England Maintenance Company, Inc., under contract approved November 10, 1930, completed February 6, 1931, at a contract cost of \$12,324.20.

The bulkhead at Northern avenue, belonging to the Highway Division, Public Works Department, near Pier 3 of the New York, New Haven & Hartford Railroad docks, caved in. A contract was awarded to the Rendle Corporation approved May 29, 1930, completed October 5, 1930, at a contract cost of \$16,093.50. The bulkhead was a wooden pile bulkhead of the ordinary design.

FERRY SERVICE.

The following ferryboats are in commission:

Name.	When Built.	Length.	Gross Tons.
John H. Sullivan	1912	172 ft. 3 in.	527
Lieutenant Flaherty	1921	174 "	727
Ralph J. Palumbo	1921	174 "	755
Charles C. Donoghue	1926	174 " 4 in.	756.77
Daniel A. MacCormack	1926	174 " 4 "	756.77

All these boats are of the propeller type and are all steel boats.

The original "General Sumner," a wooden screw boat, the last of this type to be used by the city, was sold at auction on April 29, 1930, for the sum of \$703.

NEW BOAT.

On April 5, 1930, a contract with the Bethlehem Shipbuilding Corporation, Limited, was approved by the Mayor, for the building of a new ferryboat essentially the same as the "Charles C. Donoghue" and the "Daniel A. MacCormack." The new boat is 174 feet, 4 inches long with a gross tonnage of 779 tons. While the last two boats named are satisfactory, the new boat was given a slightly deeper hull and the lines faired up to give, if possible, better handling qualities. The only other changes worthy of note are the use of piston valves for the low pressure cylinders of the main engines, and the use of plain wood block pavement for the roadways instead of the patented slab type as used on the other boats.

The hull of the boat was built at the Fore River Plant of the company and the boilers and the main engines at the Atlantic Works Plant. The auxiliaries and fittings were of standard makes purchased in the open market.

The boat, named the "General Sumner," was accepted by the city on January 6, 1931. Contract price, \$346,800.

"LIEUTENANT FLAHERTY."

On March 29, 1930, a contract with the Richard T. Green Company was approved by the Mayor, to make

certain repairs to the hull, etc., incidental to the annual inspection of the boat by the United States Steamboat Inspection Service and such other repairs and renewals as was necessary to put the boat in proper repair. Included in the repairs was the overhauling of the handling gear of the main engines, repairs to the tumble shaft, repairs to fresh water piping, and the renewal of crippled sponson braces of the superstructure. The work was completed on April 25, 1930, at a contract cost of \$5,243.

“DANIEL A. MACCORMACK.”

On December 13, a contract was entered into with the Bethlehem Shipbuilding Corporation, Limited, to make repairs to the hull, etc., of the boat, incidental to the annual inspection of the United States Steamboat Inspection Service and was completed on January 2, 1930, at a contract cost of \$4,838.40.

On March 12, 1930, a contract with the Bethlehem Shipbuilding Corporation, Limited, was approved by the Mayor, to make certain repairs to the hull of the boat on account of collision with an oil barge. This work required lifting and straightening of four shell plates and the renewal of four cant frames, all located on the starboard quarter. The work was completed on March 27, 1930, at a contract cost of \$2,761.10.

“JOHN H. SULLIVAN.”

On June 7, 1930, a contract with the Richard T. Green Company was approved by the Mayor, to make certain repairs to the hull, etc., of the boat, incidental to the annual inspection of the United States Inspection Service and such other repairs and renewals as were necessary to put the boat in proper repair. Included in the repairs was the bushing of all wrist pins of crossheads of main engines, all links fitted with new wrist pins, overhauling of link motion, repairs to thrust bearings, overhauling of handling gear of main engine, installing of new feed pump, furnishing and installing new 10-kilowatt turbo generator, and repairs to end irons of the guard. The work was completed on July 18, 1930, at a contract cost of \$8,483.

“RALPH J. PALUMBO.”

On September 12, 1930, a contract with the Bethlehem Shipbuilding Corporation, Limited, was approved

by the Mayor, to make certain repairs to the hull, etc., of the boat, incidental to the annual inspection of the United States Inspection Service and such other repairs and renewals as were necessary to put the boat in proper repair. Included in the repairs was the overhauling of the links and link blocks of the main engines, the overhauling and adjusting of the main thrust bearings, the furnishing and installing of a new ship's fire and bilge pump, the overhauling of the main feed pump and the steering engines, the repairing of about 300 linear feet of guard, the repairing of the condenser and the installing of 76 new condenser tubes. The work was completed on October 6, 1930, at a contract cost of \$5,638.

“CHARLES C. DONOGHUE.”

On October 30, 1930, a contract with the Bethlehem Shipbuilding Corporation, Limited, was approved by the Mayor, to make certain repairs to the hull, etc., of the boat incidental to the annual inspection of the United States Inspection Service and such other repairs and renewals as were necessary to put the boat in proper repair. Included in the repairs was the refitting of eccentric straps of the main engines, overhauling of jet condenser and air pump, the installing of a low suction for the condenser, and the fitting of a separate sea connection for the ship's fire and bilge pump. The work was completed November 29, 1930, at a contract cost of \$5,135.

MISCELLANEOUS.

Piers.—On April 10, 1930, a contract with the Rendle Corporation was approved by the Mayor, to repair all ferry piers. This work included the removal of crippled piles and girders, the driving of 155 new piles, fitting 1,050 linear feet of oak girders, 364 chocks and depositing 211 cubic yards of gravel fill. The work was completed on July 3, 1930, at a contract cost of \$9,120.90.

Painting Ferry Bridges.—On June 14, 1930, a contract with Louis P. Steensen was approved by the Mayor, to clean and paint five steel ferry bridges. The City furnished the paint and the Contractor furnished all labor, equipment and other materials to clean all steel work and, after patch painting, apply two finish

coats on all steel work. The work was completed on July 22, 1930, at a contract cost of \$2,375.

Department Force.— During the year machinists, carpenters, painters, riggers and electricians who make up the personnel of the department force, made all repairs possible to the plant to the extent of equipment at their disposal. This work was made up mainly of minor repairs to the machinery on the boats, repairs to ferry bridge machinery, ferry bridge roadways and head house repairs in general.

Yours respectfully,

JOHN E. CARTY,
Division Engineer.

BRIDGE SERVICE.

FINANCIAL STATEMENT, 1930.

Expenditures from Maintenance Appropriation.

Boston bridges	\$443,173 33	
Boston and Cambridge bridges	10,193 85	
		\$453,367 18

Total Expenditures.

From maintenance appropriation	\$453,367 18	
From special appropriations	1,034,862 58	
		\$1,488,229 76

EXPENDITURES ON BOSTON BRIDGES.

(1.) Administration:

Salaries:

Division engineer	\$4,500 00	
Supervisor	3,700 00	
Engineers and draughts-		
men	31,314 35	
Clerk	2,377 64	
Inspectors	4,995 48	
Medical inspector	200 00	
Foreman	2,500 00	
Veterans' pensions	4,610 76	
Holiday	8,100 29	
Vacation	2,116 71	
Injured employees	22 00	
Printing, postage and sta-		
tionery	1,547 23	
Traveling expenses	511 83	
Telephone and telegrams,	133 69	
Engineers' supplies and		
instruments	35 17	
Repairing instruments	64 70	
Typewriter inspection	36 00	
Office supplies	288 61	
Miscellaneous	6 80	
		\$67,061 26

(2.) Yard and Stockroom:

Yard:

Clerk and watchmen	\$7,084 37
Traveling expense	259 08
Tools, new	1,117 47
Tools, repaired	598 53
Telephone	239 52
Repairs in yard and building	1,169 93
New wire fence (part payment)	1,250 01
Advertising	8 00
Supplies	915 96

\$12,642 87

Stockroom:

Stock purchased	\$13,887 97
Stock used	16,678 44

Decrease in stock	2,790 47	<u><u>\$9,852 40</u></u>
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Automobiles and Trucks.

	Truck B-2 *	Compressor B-6.	Truck B-7.	Auto B-8.	Auto B-9.	Auto B-10.	Truck B-11.	Truck B-12.	Auto B-13.	Total.
Cost, new.....							\$2,404 18	\$3,250 00	\$661 25	\$6,315 43
Chauffeur's wages.....						\$1,638 00				1,638 00
Storage.....	\$126 00	\$20 00	\$216 00	\$170 00	\$120 00	180 00	87 00	90 00		1,009 00
Repairs.....	42 54	5 01	655 43	210 49	300 92	137 37		194 25		1,546 01
Supplies.....	3 59	5 34	20 24	4 48	28 69	17 24	10 08		15 04	104 70
Tires and tubes (new and repaired)...	52 00		92 25	126 27	147 52	61 90	21 00	94 70		595 64
Gasolene and oil.....	164 33	140 58	293 14	266 53	322 77	247 82	77 64	162 51	7 57	1,682 89
Registration.....		2 00	2 00	4 50	4 50	4 50	4 00	4 00	1 50	27 00
Equipment.....	11 00			7 00	47 25	11 00				76 25
Totals.....	\$399 46	\$172 93	\$1,279 06	\$789 27	\$971 65	\$2,297 83	\$2,603 90	\$3,795 46	\$685 36	\$12,994 92

* Transferred to Sanitary Service.

Tidewater Bridges.

BRIDGES.	Drawtenders' Salaries.	Mechanics' Wages.	Material.	Repair Bills.	Supplies.	Total.
Broadway.....	\$16,518 32	\$1,759 23	\$1,440 95	\$684 58	\$337 30	\$20,740 38
Charlestown.....	22,427 09	1,832 70	1,867 53	1,485 75	523 41	28,136 48
Chelsea North.....	18,767 05	3,451 19	1,094 38	4,354 59	1,110 09	28,777 30
Chelsea South.....	18,905 64	628 45	224 83	744 51	951 89	21,455 32
Chelsea Street.....	16,351 41	409 33	186 58	730 91	320 87	17,999 70
Congress Street*.....	2,491 95	58 00	35 66	.....	157 53	2,743 14
Dorchester Avenue.....	16,634 12	1,337 19	411 47	2,029 00	266 33	20,678 11
Dover Street.....	16,476 64	4,111 36	4,900 50	487 54	213 15	26,189 19
L Street †.....	9,702 67	6,585 32	1,599 80	1,134 13	255 46	19,277 38
Malden.....	16,815 92	1,226 04	2,138 14	148 99	549 19	20,878 28
Meridian Street.....	16,733 74	1,240 41	330 26	1,800 32	359 42	20,464 15
Northern Avenue.....	19,730 00	2,745 98	3,620 79	3,623 88	3,927 44	33,648 09
Summer Street.....	18,224 51	1,655 95	1,382 02	2,337 74	469 12	24,069 34
Warren.....	16,978 34	1,776 22	1,100 69	1,049 02	437 30	21,341 57
Totals.....	\$226,757 40	\$28,817 97	\$20,333 60	\$20,610 96	\$9,878 50	\$306,398 43

* Closed for rebuilding, 1930.

† Now Summer Street, over Reserved channel, closed for rebuilding on account of fire.

Repairs on Inland Bridges.

BRIDGES.	Labor and Material.
Albany Street.....	\$3,568 09
Austin Street — Prison Point.....	2,787 60
Arlington Street.....	462 64
Babson Street.....	67 86
Baker Street.....	873 57
Beacon Street, over Boston & Albany Railroad.....	14 00
Beacon Street, over outlet.....	135 34
Bennington Street.....	565 49
Berkeley Street.....	555 79
Blakemore Street.....	283 20
Blue Hill Avenue.....	724 28
Border Street.....	222 02
Boston Street.....	1,981 06
Carried forward.....	\$12,240 94

Repairs on Inland Bridges.—Continued.

BRIDGES.	Labor and Material.
<i>Brought forward</i>	\$12,240 94
Boston Street, over Boston & Albany Railroad.....	1,002 72
Braddock Park — Follen Street.....	343 38
Broadway, over Boston & Albany Railroad.....	52 60
Brookline Avenue.....	8 33
Byron Street.....	365 85
Cambridge Street, over Boston & Maine Railroad.....	1,489 23
Camden Street — Gainsborough Street.....	15 27
Cummins Highway.....	3,313 26
Curtis Street.....	677 24
Dartmouth Street (Rent, \$300).....	650 45
Dorchester Avenue, over New York, New Haven & Hartford Railroad.	1,322 93
Everett Street.....	412 05
Fairmount Avenue.....	601 55
Gove Street (Foot).....	699 01
Granite Avenue.....	4 40
Glenwood Avenue, over Neponset River.....	36 00
Harvard Street.....	2,773 59
Huntington Avenue.....	258 70
Hyde Park Avenue, over Stony Brook.....	195 70
Hyde Park Avenue, over Mother Brook.....	107 19
Hyde Park Avenue, over electric connection.....	148 04
Irvington Street — Yarmouth Street.....	287 21
Jones Avenue.....	648 09
Massachusetts Avenue, over New York, New Haven & Hartford Railroad, Edward E. Ginsberg Memorial Bridge.....	452 37 131 08
Milton Street.....	593 57
Mystic Avenue.....	36 00
Neptune Road.....	82 60
Norfolk Street.....	325 09
New Allen Street.....	6 82
Perkins Street (Foot).....	84 81
Public Landing — Northern Avenue.....	76 20
Porter Street.....	357 64
Saratoga Street.....	351 35
River Street.....	127 22
<i>Carried forward</i>	\$30,278 48

Repairs on Inland Bridges.— Concluded.

BRIDGES.	Labor and Material.
<i>Brought forward</i>	\$30,278 48
Sprague Street.....	2,159 34
Shawmut Avenue.....	614 08
Southampton Street.....	2,467 80
Summer Street, over C Street.....	597 83
Sumner Street, East Boston.....	314 72
Tremont Street.....	531 34
Toll Gate Way (Foot).....	444 20
Webster Street.....	583 26
West Newton Street.....	15 00
West Fourth Street.....	2,381 94
West Rutland Square — Durham Street.....	285 35
Winthrop.....	500 35
Cleaning bridges.....	2,685 00
Snow removal.....	3,007 63
Total.....	\$46,866 32

SUMMARY.	
Administration	\$67,061 26
Yard and stockroom	9,852 40
Automobiles, trucks and compressors	12,994 92
Tidewater bridges	306,398 43
Inland bridges	46,866 32
Total	<u>\$443,173 33</u>

SPECIAL APPROPRIATIONS.

BRIDGES, REPAIRS, ETC.

ALBANY STREET BRIDGE.	
Flagman service	\$46 61
Material	28 13
Transit Department pay roll	395 00
	<u>\$469 74</u>
ARLINGTON STREET BRIDGE.	
Flagman services	\$6 24
Transit Department pay roll	70 00
	<u>76 24</u>
<i>Carried forward</i>	\$545 98

PUBLIC WORKS DEPARTMENT.

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Brought forward \$545 98

BEACON STREET BRIDGE, OVER BOSTON & ALBANY
RAILROAD.

Maurice M. Devine 246 27

BOSTON STREET BRIDGE.

Lumber	\$1,204 00	
Inspection of lumber	27 00	
Angle iron	80 00	
		1,311 00

BOYLSTON STREET BRIDGE.

Traffic treads	\$1,490 71	
Flagman services	110 96	
Trucking	25 50	
		1,627 17

CAMBRIDGE STREET BRIDGE, OVER BOSTON & MAINE
RAILROAD.

The Pierce Company, Inc.	\$15,612 55	
Engineering	308 77	
		15,921 32

CHARLESTOWN BRIDGE.

Boston Bridge Works, Inc.	\$4,785 31	
Smith, Lovett Company	960 00	
Material	632 82	
Advertising	8 00	
		6,386 13

CHLESEA BRIDGE NORTH.

New heater	\$557 00	
New spar float	365 00	
Advertising	49 72	
Walsh & Co.	1,161 00	
Paving repairs	1,915 27	
		4,047 99

DORCHESTER AVENUE, OVER NEW YORK, NEW HAVEN &
HARTFORD RAILROAD.

Lumber	\$1,366 00	
Inspection of lumber	58 45	
		1,424 45

DOVER STREET BRIDGE.

New England Construction and Maintenance Company	\$12,253 20	
The Pierce Company, Inc.	8,264 09	
Maurice M. Devine	3,394 13	
Material	187 27	
Repair bills	151 65	
Advertising	16 25	
Transit Department pay roll	1,161 90	
		25,428 49

HYDE PARK AVENUE BRIDGE OVER ELECTRIC CONNECTION.

Repair bills	252 78	

Carried forward \$57,191 58

Brought forward \$57,191 58

L STREET BRIDGE.

New spar float	\$365 00	
Transit Department pay roll	1,153 06	
		1,518 06

EDWARD E. GINSBERG MEMORIAL BRIDGE.

Repair bills		89 93
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MERIDIAN STREET BRIDGE.

New England Construction and Maintenance Company	\$4,438 60	
New spar float	365 00	
Advertising	8 25	
		4,811 85

MILTON STREET BRIDGE.

Repair bills		252 78
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NORTHERN AVENUE BRIDGE.

A. G. Tomasello & Son, Inc.	\$8,031 82	
Gustavo Preston Company	1,008 90	
Repairing pontoon	887 10	
New traffic treads	3,484 44	
Material	712 27	
Repair bills	849 30	
Advertising	7 25	
Transit Department pay roll	28 34	
		15,009 42

SHAWMUT AVENUE BRIDGE.

Material	\$55 36	
Transit Department pay roll	404 23	
		459 59

SOUTHAMPTON STREET BRIDGE.

Lumber	\$1,206 00	
Inspection of lumber	19 32	
		1,225 32

SUMMER STREET BRIDGE.

Traffic treads	\$1,179 83	
Material	144 32	
Advertising	6 75	
Transit Department pay roll	435 85	
		1,766 75

SPRAGUE STREET.

Repair bills		252 78
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WARREN BRIDGE.

New pontoon float	\$3,595 00	
Advertising	7 75	
Transit Department pay roll	27 90	
		3,630 65

WEST FOURTH STREET BRIDGE.

Traffic treads	\$1,654 73	
Trucking treads	27 00	
		1,681 73

\$87,890 44

CAMBRIDGE STREET BRIDGE REBUILDING.

Advertising	\$8 75
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CONGRESS STREET BRIDGE.

Coleman Brothers, Inc.	\$636,384 75
Architects' fees	6,773 09
Inspection of steel	1,142 50
Inspection of lumber	226 08
Testing granite paving blocks	30 00
Boston Bridge Works, Inc., erecting angles	28 22
Service of diver	45 00
Photographs	90 00
New float	420 75
Siren	37 50
New sill cock	12 92
Carfares	126 60
Engineering	5,283 59
	<u>\$650,601 00</u>

RIVER STREET RECONSTRUCTION.

John McCourt Company	\$64,920 36
Inspection of steel	50 00
Paint	60 00
New York, New Haven & Hartford Railroad	4,166 95
Carfares	43 90
Engineering	6,165 63
	<u>\$75,406 84</u>

SUMMER AND L STREETS, WIDENING AND CONSTRUCTION OF.

Coleman Brothers, Inc.	\$177,233 50
Coleman Brothers, Inc. (drawtender's house)	4,717 50
Bethlehem Shipbuilding Corporation	6,072 34
Material	6,176 26
Inspection of steel	111 74
Girder pins	329 43
Advertising	65 20
Photographs	31 50
Wearing apparel	31 50
Office supplies	96 05
Engineers' instruments	72 87
Meals for engineers	123 00
Carfares	135 65
Transit Department and Bridge Service pay rolls	8,957 99
Engineering	6,647 39
	<u>\$210,801 92</u>

Expenditures from Special Appropriations, 1930.

	Balances from 1929.	Total Credits, Including Balances Carried Over and Transfers.	Expended During Year 1930.	Balances Unexpended December 31, 1930.
Bridges, repairs, etc. ¹	\$38,862 58	\$137,712 58	\$87,890 44	\$39,668 51
Cambridge Street Bridge, rebuilding ²	16,894 92	6,894 92	8 75	6,886 17
Columbus Avenue Bridge ³	4,327 05	.....	.....	.....
Congress Street Bridge ⁴	703,410 77	717,737 82	650,601 00	53,607 67
Congress Street Bridge, plans, etc. ⁵	39 74	.....	.....	.....
River Street, reconstruc- tion ⁶ . . . . .	.....	.....	75,406 84	.....
Summer and L Streets, widening and construc- tion of ⁶ . . . . .	.....	.....	210,801 92	.....
	\$763,535 06	\$862,345 23	\$1,024,708 95	\$100,162 35

¹ \$1,150 transferred to Granite Avenue Bridge. \$10,153.63 expended by Boston and Cambridge Bridge Commission.

² \$10,000 transferred to Congress Street Bridge.

³ \$4,327.05 transferred to Congress Street Bridge.

⁴ \$13,529.15 expended by Water Service.

⁵ \$39.74 transferred to East Boston Courthouse and Police Station 7, alterations and new buildings.

⁶ See also Paving Service.

Draw Openings, 1930.

BRIDGES.	STEAMERS.			SAILING VESSELS.			TUGS.			BARGES.			ALL OTHERS.			TOTAL NUMBER OF VESSELS.			Total Number of Carries.	Total Number of Openings.
	Day.		Total.	Day.		Total.	Day.		Total.	Day.		Total.	Day.		Total.	Day.		Total.		
	Night.			Night.			Night.			Night.			Night.			Night.				
Broadway.....	7	9	16	61	1	62	1,082	32	1,114	276	19	295	370	5	375	1,796	66	1,862	489	849
Charlestown.....	64	118	182	39	4	43	1,963	698	2,661	366	118	484	1,128	700	1,828	3,560	1,638	5,198	1,175	1,527
Chelsea North.....	1,578	183	1,761	17	1	18	10,242	950	11,192	1,437	209	1,646	828	59	887	14,102	1,402	15,504	1,881	5,532
Chelsea South.....	48	37	85	60	1	61	3,860	205	4,065	78	1	79	2,273	304	2,577	6,319	548	6,867	1,828	2,282
Chelsea Street.....	87	38	125	.....	.....	.....	2,336	639	2,975	119	55	174	2,490	229	2,719	5,032	961	5,993	1,689	3,762
* Congress Street.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dorchester Avenue.....	2	13	15	56	2	58	1,131	54	1,185	244	24	268	433	7	440	1,866	100	1,966	380	1,110
Dover Street.....	.....	.....	.....	56	1	57	1,111	42	1,153	259	20	279	424	21	445	1,850	84	1,934	382	935
* † L Street.....	6	4	10	91	17	108	659	337	996	58	24	82	482	209	691	1,296	591	1,887	599	1,344
Malden.....	139	70	209	6	1	7	517	37	554	180	14	194	130	46	176	972	168	1,140	245	773
Meridian Street.....	909	358	1,267	84	3	87	5,822	1,351	7,173	910	422	1,332	4,257	432	4,689	11,982	2,566	14,548	1,771	7,995
Northern Avenue.....	430	320	750	77	4	81	4,168	289	4,457	444	42	486	2,150	140	2,290	7,269	795	8,064	1,419	3,866
Summer Street.....	107	7	114	65	1	66	2,000	155	2,155	420	49	469	526	29	555	3,118	241	3,359	595	1,857
Warren.....	76	92	168	34	3	37	1,954	592	2,546	604	80	684	1,155	667	1,822	3,823	1,434	5,257	1,090	2,848
	3,453	1,249	4,702	646	39	685	36,845	5,381	42,226	5,395	1,077	6,472	16,646	2,848	19,494	62,985	10,594	73,579	13,463	34,680

* Closed for rebuilding.

† Now Summer Street, over Reserved Channel.

GRANITE AVENUE BRIDGE.*	
Drawtenders' salaries	\$2,696 70
Material	100 01
Repairs	782 74
V. James Grande	1,981 73
Supplies	49 27
	<u>\$5,610 45</u>

* Maintained jointly by County of Suffolk and Town of Milton.

Granite Avenue Bridge Draw Openings from January 1, 1930, to December 31, 1930.

	STEAMERS.			SAILING VESSELS.			TUGS.			BARGES.			ALL OTHERS.			TOTAL NUMBER OF VESSELS.			Total Number of Carcoes.	Total Number of Openings.
	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.		
Openings.....	1	.....	1	1	.....	1	215	12	227	86	5	91	101	27	128	404	44	448	47	301

FERRY SERVICE.

FINANCIAL STATEMENT FOR THE YEAR ENDING
DECEMBER 31, 1930.

1. Receipts.

Total cash receipts during the year	\$95,304 38
Cash in hands of tollmen at beginning of year	200 00
Cash in hands of cashier at beginning of year	176 24
	<u>\$95,680 62</u>
Cash paid over to City Collector	\$95,480 62
Cash in hands of tollmen December 31, 1930	200 00
	<u>\$95,680 62</u>

2. Appropriations and Expenditures.

Received from annual appropriations for Ferry Service	\$561,553 00
Transferred to City Treasury	12,985 35
	<u>\$548,567 65</u>
Unexpended balances from special appropriations, January 1, 1930, *\$122,035 04	
Appropriation from loan:	
New ferryboat	350,000 00
	<u>*472,035 04</u>
	<u>\$1,020,602 69</u>
Total expenditures	791,957 61
Unexpended balances of special appropriations, December 31, 1930	<u>*\$228,645 08</u>

3. Result of Operations for the Year.

Receipts for the year (net income)	\$95,304 38
Ordinary expenses (maintenance appropriation)	\$548,567 65
Interest paid on ferry debt	35,942 50
Depreciation on ferryboats	66,833 79
	<u>\$651,343 94</u>
<i>Carried forward</i>	\$95,304 38

*Does not include expenditures for special appropriations.

<i>Brought forward</i>	\$651,343 94	\$95,304 38
Decrease in value of machinery and tools	403 30	
Decrease in value of fuel on hand	390 60	
	\$652,137 84	
Increase in value of supplies on hand	604 61	
Net outgo for the year		651,533 23
Net loss for the year		*\$556,228 85

* Of this amount \$50,000 in loans have been authorized, but not issued.

End of Fiscal Year, December 31, 1931.

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ASSETS.		LIABILITIES.	
AVAILABLE ASSETS: Cash in hands of tollmen at close of year..... Ferriages receivable..... INVENTORY OF SUPPLIES, VIZ.: Fuel..... Supplies for maintenance..... Rents receivable..... Total available assets.....		\$200 00 53 60 3,403 80 9,330 90 1,153 04 \$14,141 34	CURRENT LIABILITIES: None.
CONTINGENT ASSETS: City Treasurer.....		* 228,645 08	* \$228,645 08
FIXED ASSETS: Real estate, land and buildings ¹ Ferryboats ³ Machinery, tools, etc..... Total tangible assets..... Deficiency or loss by operation and maintenance of the ferries for seventy-three years to date...		² 610,100 00 851,458 72 3,629 71 \$1,707,974 85 13,810,535 16 \$15,518,510 01	CONTINGENT LIABILITIES: Appropriations account..... FIXED LIABILITIES: Capital of the city invested in the ferries, viz.: Total expenditures of all kinds for seventy- three years, including interest on ferry debt.....\$23,811,655 73 Less total receipts.....8,521,790 80
			\$15,518,510 01
* Includes \$50,000 authorized, but not issued.			
¹ Original purchase..... New buildings, drops, slips, cost to 1913.. Land, Lincoln's Wharf, cost to 1887..... Land, Battery Wharf, cost to 1893..... New drops, both ferries, cost from 1923 to December 31, 1930.....		\$276,375 00 607,523 64 5,562 52 10,000 00 \$899,461 16 886,648 44 \$1,786,109 60	² Assessors' figures. ³ Total cost to date, per ferry books..... Less boats sold, depreciated or destroyed.. \$2,178,182 01 1,326,723 29 \$851,458 72

Comparative Balance Sheets at the Close of Each Year.

	December 31, 1926.	December 31, 1927.	December 31, 1928.	December 31, 1929.	December 31, 1930.
<i>Assets.</i>					
Cash, cashier's capital.....				\$176 24	
Cash, tollmen's capital.....	\$200 00	\$200 00	\$200 00	200 00	\$200 00
Rents receivable.....	583 34	607 84	753 36	948 71	1,153 04
Ferriages receivable.....					53 60
Fuel and supplies in stock.....	11,589 19	12,758 57	12,701 11	12,520 69	12,734 70
City Treasurer (balance of appropriation).....	368,044 01	238,959 16	125,217 59	122,035 04	228,645 08
Ferryboats (less depreciation).....	1,270,288 27	1,190,174 04	993,126 30	918,292 51	851,458 72
Machinery and tools.....	4,634 31	4,670 38	4,203 34	4,033 01	3,629 71
Real estate, land and buildings (assessors' valuation).....	610,100 00	610,100 00	610,100 00	610,100 00	610,100 00
Total tangible assets.....	\$2,265,439 12	\$2,057,469 99	\$1,746,301 70	\$1,668,306 20	\$1,707,974 85
Cost of avenues, etc., East Boston (previous to 1871) ¹	315,815 68	315,815 68	315,815 68	315,815 68	315,815 68
Deficiency of assets (loss).....	10,465,340 20	11,216,403 27	12,070,895 24	12,695,358 60	13,494,719 48
Totals.....	<u>\$13,046,595 00</u>	<u>\$13,589,688 94</u>	<u>\$14,133,012 62</u>	<u>\$14,679,480 48</u>	<u>\$15,518,510 01</u>
<i>Liabilities.</i>					
Capital invested by City of Boston to date.....	\$12,678,550 99	\$13,350,729 78	\$14,007,795 03	\$14,557,445 44	\$15,289,864 93
Appropriations account (credit balances).....	368,044 01	238,959 16	125,217 59	122,035 04	228,645 08
Total liabilities.....	<u>\$13,046,595 00</u>	<u>\$13,589,688 94</u>	<u>\$14,133,012 62</u>	<u>\$14,679,480 48</u>	<u>\$15,518,510 01</u>

Details of Capital Invested by the City of Boston.

Total expenditures to date per ferry books.....	\$20,540,211 31	\$21,296,977 47	\$22,028,379 87	\$22,659,859 27	\$23,496,564 38
Interest of debt for the year (per City Auditor's report).....	50,352 50	55,007 50	53,552 50	44,747 50	35,942 50
Interest, previous years, etc. (net debts, per City Auditor's reports),	279,148 85	279,148 85	279,148 85	279,148 85	279,148 85
Total expenditures.....	\$20,869,712 66	\$21,631,133 82	\$22,361,081 22	\$22,983,755 62	\$23,811,655 73
Deduct total receipts paid to City Collector.....	8,191,161 67	8,280,404 04	8,353,286 19	² 8,426,310 18	8,521,790 80
Excess expenditures, capital.....	<u>\$12,678,550 99</u>	<u>\$13,350,729 78</u>	<u>\$14,007,795 03</u>	<u>\$14,557,445 44</u>	<u>\$15,289,864 93</u>

¹ Included in deficiency of assets in Table 4.

² Does not include \$176.24 in hands of cashier.

	1926.	1927.	1928.	1929.	1930.
RECEIPTS.					
From foot passengers (tollmen).....	\$23,087 75	\$21,907 61	\$20,794 51	\$18,677 72	\$18,273 16
From foot passes (office sales).....	361 30	309 90	335 80	341 10	220 32
From extra passengers on teams (gatemen).....	800 61	720 35	655 27	678 83	893 50
From team tickets (office sales).....	2,307 00	2,753 50	3,024 10	2,649 00	6,180 24
From strip team tickets (tollmen).....	12,531 00	12,187 00	12,070 50	11,719 50	15,614 40
From eash fares for teams (gatemen).....	35,328 46	35,429 77	35,088 96	37,639 16	53,101 70
From free ferries July 4.....	1 00	1 00	1 00	1 00	
Total from rates.....	\$74,417 12	\$73,309 13	\$71,970 14	\$71,706 31	\$94,283 32
From rents.....	523 04	489 50	361 32	321 32	147 33
From old material sold.....	12 00	68 00	10 00	47 00	10 00
From other sources.....	549 50	115,375 74	540 69	1,125 60	10 917 33
Total ordinary receipts.....	\$75,501 66	\$89,242 37	\$72,882 15	\$73,200 23	\$95,359 98
EXPENDITURES (ORDINARY).					
Office:					
Division engineer's salary (part) ²	\$1,250 00	\$1,250 00	\$1,250 00	\$1,333 33	\$1,500 00
General foreman and cashier ³	5,259 69	5,416 09	5,632 50	5,817 90	6,077 71
Clerk.....	1,459 83	1,500 00	1,562 65	1,601 12	1,700 00
Retired veterans' pensions.....	6,247 13	4,161 53	4,620 63	5,909 35	5,909 37
Retired employees' pensions.....	2,215 00	1,942 00	1,800 00	1,800 00	1,461 00
Medical inspector (part).....	91 67	100 00	100 00	100 00	100 00
Stationery.....	142 00	129 86	237 93	173 05	160 71
Carried forward.....	\$16,665 32	\$14,499 48	\$15,203 71	\$16,734 75	\$16,908 79

Comparison of Receipts, Appropriations and Expenditures.—Concluded.

	1926.	1927.	1928.	1929.	1930.
<i>Brought forward</i>	\$16,665 32	\$14,499 48	\$15,203 71	\$16,734 75	\$16,908 79
Office:					
Printing.....	1,594 75	1,281 43	1,154 46	1,475 40	2,364 66
Telephones.....	270 02	279 30	257 69	313 94	321 92
Advertising.....	53 20	101 73	58 00	333 78	201 00
Car fares.....	109 73	127 26	131 25	150 05	127 15
Postage.....	4 00	4 00	6 00	2 00	6 00
Premiums, surety companies.....	94 00	91 00	169 00	171 92	163 00
Total office expenses.....	\$18,791 02	\$16,384 20	\$16,980 11	\$19,181 84	\$20,092 52
Ferryboats and landings:					
Employees (wages) ⁴	\$338,261 69	\$367,640 21	\$369,216 03	\$374,429 38	\$382,448 75
Fuel.....	66,738 24	67,657 76	63,916 93	62,760 09	58,556 32
Teaming, weighing coal, etc.....	4,331 75	2,848 00	1,878 00	2,817 00	2,817 00
Supplies.....	17,664 04	17,207 55	15,721 16	17,399 81	15,353 93
Gas.....	1,149 09	1,272 55	3,795 03	5,003 86	7,613 27
Oil.....	1,857 99	1,877 44	1,770 15	1,667 78	1,530 17
Electric light.....	5,848 39	6,583 97	6,048 38	5,758 38	5,111 98
Towing teams by electric motors.....	954 13	121 21			
Repairs of boats.....	48,702 43	58,516 16	63,943 43	48,070 15	42,743 56
Repairs of buildings, piers and drops.....	9,103 14	9,455 95	10,153 05	14,684 74	8,635 86
Furnishings.....	319 25	427 45	405 30	444 00	750 00
Other expenditures ⁶	2,595 49	2,336 36	3,507 99	2,527 32	2,914 29
Total.....	\$516,316 65	\$552,328 81	\$558,335 56	\$554,744 35	\$548,567 65

EXPENDITURES FROM SPECIAL APPROPRIATIONS.					
East Boston Ferry, improvements, etc.....	\$154,879 78	\$9,930 44	\$5,000 00		
Ferry improvements, etc.....	24,404 15	1,761 90	73,424 00	\$20,645 18	\$13,283 60
East Boston Ferry, two additional boats, and other permanent improvements.....	532,736 32	142,392 51	39,635 34	2,537 37	377 25
New ferryboat.....					229,729 11
Total expenditures, regular and special.....	\$1,228,336 90	\$706,413 66	\$676,394 90	\$577,926 90	\$791,957 61
Balances in treasury unexpended.....	368,044 01	238,959 16	125,217 59	122,035 04	228,645 08
APPROPRIATIONS.					
Regular annual appropriations.....	\$533,021 57	\$547,038 06	\$558,355 56	\$564,238 20	\$561,553 00
Transfers from other sources.....		¹ 5,290 75			
East Boston Ferry, improvements, etc.....			¹¹ 4,317 77		
Ferry improvements, etc.....	¹² 60,000 00	¹² 25,000 00		¹² 20,000 00	
East Boston Ferry, two additional boats and other permanent improvements.....					350,000 00
New ferryboat.....					
	\$593,021 57	\$577,328 81	\$562,653 33	\$584,238 20	\$911,553 20

¹ Includes \$13,447 85 received from sale of ferryboat "Governor Russell" and \$1,387.85 from sale of ferryboat "Hugh O'Brien."

² Remainder paid by Bridge Service.

³ Included in employees (wages) after February 1, 1916, in office books.

⁴ Includes payment under Workingmen's Compensation Act.

⁵ Includes \$176.24 in hands of cashier.

⁶ Includes repairs of coal carts, medical attendance, electric power, etc.

⁷ Includes \$598.59 received from sale of ferryboat "Noddle Island."

⁸ Includes \$53.60 tickets sold not paid for.

⁹ Does not include 17,624 collections in 1929 and deposited with City Collector in 1930.

¹⁰ Does not include \$279.85 sale of ferryboat "General Sumner"; credited to sale of city property; includes \$2.84 final payment on sale of ferryboat "Noddle Island."

¹¹ Transferred from other appropriations.

¹² Appropriation from taxes.

Total Expenditures upon Ferries Since 1858-59.

Expenditures for avenues, paving, interest, etc., previous to the purchase of the ferries by the city	\$444,101 30
Purchase of the ferries, April, 1870	276,375 00
Expenditures for ferryboats since April, 1870, ...	2,407,911 12
Expenditures for new buildings, piers, drops, etc.	1,491,468 89
Expenditures for tools and fixtures (prior to 1910)	14,752 46
Expenditures for land from Lincoln's Wharf in 1887	5,562 52
Expenditures for land from Battery Wharf in 1893	10,000 00
Total expenditures on capital account	\$4,650,171 29
Expenditures for repairs of all kinds	2,657,753 87
Expenditures for fuel	2,849,525 21
Expenditures for salaries and wages	10,643,139 03
Expenditures for all other purposes	3,011,066 33
	\$23,811,655 73

Total Receipts from Ferries Since 1858-59.

Receipts from rents, etc., previous to purchase of ferries	\$29,588 56
Receipts from ferry tolls since purchase of ferries	8,186,283 37
Receipts from rents since purchase of ferries, ...	72,501 73
Receipts from sale of ferryboats	168,004 57
Receipts from all other sources, per ferry books	34,877 72
Receipts from all other sources, additional, per City Auditor	30,734 85
Total receipts from all sources	\$8,521,990 80
Less amount with tollman as capital	200 00
Total receipts, auditor's reports	\$8,521,790 80

Regular Annual (Ordinary) and Special Appropriations (Extraordinary) of the Ferry Service for the Year Ending December 31, 1930.

Appropriations (regular) for the year ending December 31, 1930	\$561,553 00
Transferred to City Treasury	12,985 35
Amount of expenditures (regular) for the year	\$548,567 65

SPECIAL APPROPRIATIONS.

East Boston Ferry, two additional boats and other permanent improvements:

Unexpended balance January 1, 1930	* \$104,455 68
Expenditures for year 1930	377 25

Unexpended balance December 31, 1930	* <u>\$104,078 43</u>
--	-----------------------

Expenditures for year made up as follows:

Pay rolls, labor and engineering, Bridge Service	<u>\$377 25</u>
--	-----------------

Ferry Improvements, etc:

Unexpended balance January 1, 1930	\$17,579 36
Transferred to new ferryboat	2,500 00

	<u>\$15,079 36</u>
Expenditures for year 1930	13,283 60

Unexpended balance December 31, 1930	<u>\$1,795 76</u>
--	-------------------

Expenditures for year made up as follows:

Wood block slabs	\$1,689 70
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Inspection of wood block slabs	98 00
--	-------

Amount paid to the Rendle Corporation, under contract for repairing ferry piers at North and South Ferries	9,120 90
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Amount paid to Louis P. Sternsen, under contract for painting five ferry bridges	2,375 00
--	----------

	<u>\$13,283 60</u>
--	--------------------

New Ferryboat:

Loan inside debt limit	\$350,000 00
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Transferred from Ferry Improvements	2,500 00
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	<u>\$352,500 00</u>
Expenditures for year 1930	229,729 11

Unexpended balance December 31, 1930	<u>\$122,770 89</u>
--	---------------------

Expenditures for year made up as follows:

Pay rolls, engineering, Bridge Service	\$1,587 89
--	------------

Pay rolls, Ferry Service	46 08
------------------------------------	-------

Travel expense	68 75
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Printing specifications	385 77
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Amount paid to Boston Barriers and External Brake Company, under contract for barriers for boat	2,220 62
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Amount paid to Bethlehem Shipbuilding Corporation, Limited, under contract for building ferryboat	225,420 00
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	<u>\$229,729 11</u>
--	---------------------

* \$50,000 authorized but not issued.

RECEIPTS AT EACH FERRY.

North Ferry.

FROM TOLLMEN.	From Foot Passengers.	From Tickets.	Totals.
Boston side	\$2,880 65	\$2,090 40	\$4,971 05
East Boston side	2,631 82	2,343 60	4,975 42
Totals	\$5,512 47	\$4,434 00	\$9,946 47

From tollmen	\$9,946 47
From gatemen:	
14,353 foot passengers at 1 cent	\$143 53
Cash fares for teams	6,236 55
	<u>6,380 18</u>
Total at North Ferry	<u>\$16,326 65</u>

South Ferry.

FROM TOLLMEN.	From Foot Passengers.	From Tickets.	Totals.
Boston side	\$6,589 73	\$6,638 80	\$13,228 53
East Boston side	6,170 96	4,541 60	10,712 56
Totals	\$12,760 69	\$11,180 40	\$23,941 09

From tollmen	\$23,941 09
From gatemen:	
74,997 foot passengers at 1 cent	\$749 97
Cash fares for teams	46,865 05
	<u>47,615 02</u>
Total at South Ferry	<u>\$71,556 11</u>

North and South Ferries	\$87,882 76
Tickets paid for at ferry office	*6,346 96
Total from rates	\$94,229 72
Rents for the year	147 33
Headhouse privileges	400 00
Carried forward	<u>\$94,777 05</u>

* Does not include \$53.60 for tickets sold but not paid for.

<i>Brought forward</i>	\$94,777 05
Care of public telephone booths	48 00
Commission on public telephone	82 48
Old material sold	10 00
Sale of ferryboat "Noddle Island"	2 84
Miscellaneous	384 01
Total receipts for year	* <u>\$95,304 38</u>

TRAVEL ON THE FERRIES FROM JANUARY 1, 1930, TO
DECEMBER 31, 1930, INCLUSIVE.

	North Ferry.	South Ferry.
Foot passengers at 1 cent each	567,237	1,349,429
Foot passengers by ticket	13,705	7,285
Total foot passengers	<u>580,942</u>	<u>1,356,714</u>

	North Ferry.	South Ferry.
Handcart, or wheelbarrow and man..... 5 cents	20,365	62,701
Horse and rider..... 5 cents		
Horse and cattle, each with attendant..... 5 cents		
One or two-horse vehicle with driver..... 5 cents		
Motor cycle with driver..... 5 cents		
Trailer..... 10 cents	37,791	237,276
Three or four-horse vehicle with driver..... 10 cents		
Passenger automobile with driver and one passenger..... 10 cents		
Passenger automobile with driver and more than one passenger..... 15 cents	49,860	171,872
Motor truck, six tons or less, with driver.... 15 cents		
Motor truck, over six tons, with driver..... 20 cents	12,009	50,909
Auto bus with driver..... 20 cents		
Auto bus with driver and passengers..... 30 cents	4,542	2,459
	<u>124,567</u>	<u>525,217</u>

Changes in rates of tolls on City ferryboats were made during the year 1930. The first rate, effective January 1, was superseded on April 1, 1930, by the rates which are now effective, and are as follows:

* Does not include \$176.24 collected in 1929 and deposited with City Collector in 1930.

PASSENGERS.

On and after April 1, 1930, the tolls on the East Boston Ferries will be as follows:

Foot passengers 1 cent.

VEHICLES.

One or two-horse vehicle with driver 5 cents.
 Motor cycle with driver 5 cents.
 Trailer 10 cents.
 Three or four-horse vehicle with driver 10 cents.
 Passenger automobile with driver and one passenger, 10 cents.
 Passenger automobile with driver and more than
 one passenger 15 cents.
 Motor truck, six tons or less, with driver 15 cents.
 Motor truck, over six tons, with driver 20 cents.
 Auto bus with driver 20 cents.
 Auto bus with driver and passengers 30 cents.

MISCELLANEOUS.

Handcart, or wheelbarrow and man 5 cents.
 Horse and rider 5 cents.
 Horse and cattle, each with attendant 5 cents.

TICKETS FOR VEHICLES.

Tickets in books of ten to be sold at a reduction of 20 per cent.

FUNERAL PROCESSIONS.

Funeral processions pass free of tolls.

Motor Vehicle Traffic (Reports of Captains).

January 1, 1930, to December 31, 1930.

	North Ferry.	South Ferry.	Totals.
Passenger cars.....	56,743	347,385	404,128
Trucks.....	42,564	116,729	159,293
Totals.....	* 99,307	† 464,114	563,421

* 4,216.

† Includes 11,557 free.

Total paying foot passengers 1,937,656

Total foot passengers carried 1,937,656

Total paying teams, passenger cars and trucks 649,784

Total free teams 15,746

665,530

TOTAL TRAVEL OF BOTH FERRIES FROM FEBRUARY 1, 1925,
TO DECEMBER 31, 1930.

	1925. (11 months.)	1926.	1927.	1928.	1929.	1930.
One-horse teams *.....	331,088	348,147	314,714	282,661	285,967	
Two-horse teams †.....	222,543	263,763	248,351	231,782	248,356	
Three-horse teams.....	736	1,868	3,422	3,472	3,663	
Four-horse teams.....	1,514	2,380	1,303	755	784	
Two-horse carriages, hacks. ‡	290,361	365,540	397,600	407,335	446,900	
Two-cent tolls, hand- carts, etc.	2,282					
Drag wheels, etc.....						
Paid teams at both fer- ries.	845,522	981,698	965,390	926,005	985,670	
Free teams at both fer- ries.	24,417	26,195	28,328	30,705	31,491	
Total teams at both ferries.	872,939	1,007,893	993,718	956,710	1,017,161	
Foot passengers paid...	2,298,192	2,418,209	2,293,232	2,176,249	1,967,346	
Foot passengers free....	270					
Total foot passengers..	2,298,462	2,418,209	2,293,232	2,176,249	1,967,346	

NOTE.— Team travel includes automobiles.

* Includes one-seat automobiles. † Includes motor trucks. ‡ Includes two-seat automobiles.

APPENDIX C.

REPORT OF THE DIVISION ENGINEER OF THE HIGHWAY DIVISION.

BOSTON, January 2, 1931.

MR. JOSEPH A. ROURKE,
Commissioner of Public Works.

DEAR SIR,— I submit herewith a statement of the activities, operations and expenditures of the Lighting and Paving Services for the year ending December 31, 1930.

The maintenance expenditures of the Highway Division for the year were as follows:

Lighting Service	\$1,018,777 86
Paving Service	1,693,794 46
Total	<u>\$2,712,572 32</u>

PAVING SERVICE.

The Paving Service district forces were employed in the maintenance and resurfacing of all macadam roadways, relaying the paving in the granite paved streets and some patching of the older street asphalt surfaces.

Forty streets were resurfaced, the work done is known as asphalt macadam, penetration method.

In addition to this work nine paved streets were relaid with cement grouted joints.

Forty-one contracts were awarded to construct seventy-five new streets laid out and construction ordered under the "Highways, Making of, loan order." Four of these contracts were not started and all the construction was finished with the exception of nine streets which were partially completed.

"Reconstruction of Streets" called for new permanent pavement on eighty new streets with forty-eight contracts. All work was completed with the exception of three streets.

Contracts were awarded to construct artificial stone sidewalks in forty-five streets. One of these contracts comprised many old streets in the North and West Ends. All the work was completed with the exception of one street.

The work of erecting the new metal sign posts carrying the enamel sign plate has gone forward on new streets laid out and constructed as well as on reconstructed streets.

A comparatively open winter was experienced this year, and no call was made on the contractors for the removal of snow by contract. All snow removal was done by district forces in the Sanitary and Paving Services. Thoroughfare plowing was done by Sanitary Division trucks, hired trucks and Paving Service trucks.

During the year two new gas rollers were purchased and have been put in operation: One 16-ton maintenance roller with scarifying attachment and one 6-ton gas tandem roller.

LIGHTING SERVICE.

During the repaving of Bunker Hill street, Charlestown, twenty-two new 1,500 candle power lamps (Mazda) were installed and twenty 1,500 candle power arc lamps were changed over to the Mazda lamps.

At the East Boston Airport eighteen new 1,500 candle power lamps with overhead deflectors were erected.

On St. Botolph street, city proper, for the entire length a new lighting equipment was installed consisting of 600 candle power lamps mounted on concrete posts.

This same type of lighting equipment was erected on Adams street, Dorchester, between Winter street and Dorchester avenue.

Respectfully,

JOSHUA ATWOOD,
Division Engineer.

HIGHWAY DIVISION — LIGHTING SERVICE.

FINANCIAL STATEMENT.

Expenditures January 1, 1930, to December 31, 1930.

Electric Lighting:

Arc.

Edison Electric Illuminating Company	\$399,940 65	
Charlestown Gas and Electric Company	3,188 26	
		\$403,128 91

Incandescent.

Edison Electric Illuminating Company	\$323,021 39	
Charlestown Gas and Electric Company	32,469 74	
Charlestown Gas and Electric Company fire alarm	362 05	
		355,853 18

Gas Lighting:

Boston Consolidated Gas Company	\$230,768 77	
Charlestown Gas and Electric Company	12,111 98	
Charlestown Gas and Electric Company fire alarm	615 43	
		243,496 18

Salaries and Wages:

Division engineer (part of)	\$1,500 00	
Clerk	2,459 38	
Lighting inspector	2,158 33	
		6,117 71

Automobile Expense:

Gasolene, oil, etc.	\$63 32	
Shoes and tubes, new and repairs, ...	25 39	
Supplies	4 09	
Repairs	20 62	
Storage	110 00	
		223 42

<i>Carried forward</i>		\$1,008,819 40
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<i>Brought forward</i>	\$1,008,819 40	
<i>Construction:</i>		
Installing lamps and posts and removing and relocating lamps and posts		3,117 66
<i>Office Expense:</i>		
Printing	\$84 75	
Postage	32 00	
Stationery and periodicals	112 15	
		228 90
<i>Miscellaneous:</i>		
Travel expenses (car fares)	\$44 90	
Typewriter repairs and inspection	12 00	
Gas lamp posts and Mazda posts, ...	6,592 50	
Globes and shade frames	249 51	
		6,898 91
Total	\$1,019,064 87	
Less rebates on installation		287 01
Total		
	\$1,018,777 86	

Revenue Credited to General Revenue.

Damage to posts	<u>\$504 00</u>
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The following is a statement of the work done during the year under the supervision of the Division Engineer:

On Bunker Hill street, Charlestown, a new white way was established by the addition of twenty-two 1,500 candle power Mazda lamps and the changing over of twenty existing arc lamps to 1,500 candle power Mazda lamps, all mounted on boulevard type posts, making forty-two lamps in the total length of the street. Also in the Charlestown district 152 magnetite arc lamps were changed to 1,500 candle power Mazda lamps and fifteen 1,000 candle power lamps were increased to 1,500 candle power making the district lighting of the alternating current type and eliminating all arc lamps. At the East Boston Airport we installed eighteen 1,500 candle power Mazda lamps on concrete posts and fitted with special deflectors. Large street lamps, namely arc, 1,500 candle power series Mazda and 1,475 candle power multiple Mazda have been installed on Brattle street, Harrison avenue, Nashua street, Leverett street, East Concord street, Lowell street, Beach street, Blackstone street, Portland street, Beacon street, Arlington street, Stuart street and St. James avenue, city

proper; Washington street and Arlington street, Brighton; Dorchester avenue, Blue Hill avenue, Geneva avenue, Savin Hill avenue, Columbia road, Granite avenue, Washington street, River street, Morton street and Park street, Dorchester; Lewis street and Maverick street, East Boston; Howard street, Harold street, Washington street and Calumet street, Roxbury; Dorchester street, East Eighth street, Dorchester avenue and Summer street, South Boston; River street, Hyde Park.

The above lamps, except those located in overhead districts, are of the boulevard type.

Street lamps of the 600 candle power series and 528 candle power multiple Mazda types have been installed on Margaret street, St. Botolph street, Wall street, Davis street, Salem street, Commonwealth avenue, Hayward place, Clark street, Middlesex street and Congress Street Bridge, city proper; Winship street, Lothian road and Strathmore road, Brighton; Crescent avenue, Sydney street, Harbor View street, Carson street, Adams street, Oakland place, Mather street, Greenbrier street and Wales street, Dorchester; Bennington street, East Boston; Stockwell street, Townsend street and Warren place, Roxbury; St. Joseph street, West Roxbury.

The above lamps are mounted on concrete posts, except those in overhead districts which have pendant type posts and the Congress Street Bridge lamps which have a special bridge lantern.

Street lamps of the 250 candle power series and 230 candle power multiple Mazda types have been installed on Fisher avenue, Roxbury, and on Summer Street Extension Bridge, South Boston, the latter consisting of fourteen lamps mounted on trolley pole brackets.

Street lamps of the 80 candle power series and 66 candle power multiple Mazda types, also fire alarm lamps, have been installed in city proper and suburbs as needed.

During the year 178 pendant type posts were changed to the boulevard type.

Petitions and requests for new lamps received from citizens and from officials, also complaints in relation to the Lighting Service, have been investigated and attended to. All streets in the underground district prescribed for the year have been inspected and the necessary changes and additions have been made.

The number of miles of streets and ways lighted by this service is as follows:

Public streets and alleys	647.55
Public footways	1.45
Park roads, footways, private streets and alleys, approximately	308.21
	<u>957.21</u>

During the year the following defects were reported by the police: Arc lamps, 4,774; Mazda lamps, 921, and gas lamps, 1,539.

There are in operation 22,539 arc, Mazda and gas lamps, divided as follows: 4,199 arc, 8,387 Mazda, 9,739 single mantle gas lamps and 214 single mantle fire alarm gas lamps.

LAMPS INSTALLED.

Magnetite arc lamps	57
Mazda lamps	931
Single mantle gas lamps	32
Single mantle gas lamps (fire alarm)	9
	<u>1,029</u>

LAMPS DISCONTINUED.

Magnetite arc lamps	* 530
Mazda lamps	141
Single mantle gas lamps	121
	<u>792</u>

* Five hundred and thirteen magnetite arc lamps changed to 1,500 candle power series Mazda; one magnetite arc lamp changed to 1,475 candle power multiple Mazda; two magnetite arc lamps changed to 600 candle power series Mazda.

The following table shows the number of lamps of various types in use on January 1, 1931, as compared with the number in use on January 1, 1930:

	January, 1931.	January, 1930.	Increase or Decrease.
Single mantle gas.....	9,739	9,828	89 Decrease
Fire alarm gas.....	214	205	9 Increase
Magnetite series.....	4,199	4,672	473 Decrease
Mazda.....	8,387	7,597	790 Increase
Totals.....	22,539	22,302	237 Increase

STREET LAMP OUTAGES.

Rebates for lamps not lighted on schedule time or out before the proper time have been received on the various monthly bills as follows:

DATE.	Arc.	Mazda.	Gas.
January, 1930.....	\$224 16	\$5 37	\$12 85
February.....	222 60	4 98	49 68
March.....	209 89	3 12	8 41
April.....	105 90	1 37	7 32
May.....	79 89	1 78	6 37
June.....	74 46	1 69	2 43
July.....	110 50	4 87	5 29
August.....	103 18	4 35	6 55
September.....	153 10	6 63	8 33
October.....	160 48	9 64	7 98
November.....	146 45	18 78	12 44
December.....	156 40	5 01	6 30
Totals.....	\$1,747 01	\$67 59	\$133 95

GAS LIGHTING.

There are 9,739 single mantle gas lamps and 214 single mantle fire alarm gas lamps.

The city furnishes the lamp posts, the Gas Company sets the lamp posts and provides service pipes laid from the gas mains to the tops of the posts, maintains all such pipes and posts in good condition and repair, furnishes gas, lanterns, burners and all other necessary equipment, including labor, for lighting and care.

The Lighting Service provides for the gas, lighting and care of fire alarm signal lamps and the Fire Department for the posts, setting and repairing of same.

Gas Lamps.

LIGHTING CONTRACT.	Gas District.	Number of Lamps.	Type of Lamp.	Rated Candle Power.	Gas Consumed per Hour.	Hours of Burning per Annum.	Cost of Gas per Lamp per Annum.	Cost per Lamp for Lighting and Care per Annum.	Total Cost per Lamp per Annum.
Boston Consolidated Gas Com- pany.*	South Boston, East Bos- ton, Dorchester, Rox- bury, Brighton, West Roxbury.	9,246 187	Single Mantle. Single Mantle, F. A.	60 60	3 feet. 3 feet.	3,886.45 3,886.45	\$9 17 9 17	\$15 20 15 20	\$24 37 24 37
Charlestown Gas and Electric Company.†	Charlestown.....	493 27	Single Mantle. Single Mantle, F. A.	60 60	3 feet. 3 feet.	3,886.45 3,886.45	9 17 9 17	15 20 15 20	24 37 24 37

Ten year contract approved May 20, 1924.

* The Boston Consolidated Gas Company reduced the price of gas 16½ per cent, dating from October 1, 1929.

† The Charlestown Gas and Electric Company reduced the price of gas 16½ per cent, dating from November 1, 1929.
This explains the reduction in cost from the original contract price of \$11 per lamp per year.

There are 4,199 magnetite arc lamps, 373 40 candle power, 261 40 candle power multiple two bulb fire alarm lamps, 1,544 66 candle power 3,205 80 candle power, 50 100 candle power, 74 132 candle power, 14 230 candle power, 36 250 candle power, 31 528 candle power, 136 600 candle power, 23 950 candle power, 246 1,475 candle power, 2,373 1,500 candle power, and 21 3,000 candle power twin fixture Mazda lamps.

The electric companies provide and set the lamp posts, except the lamp posts for Mazda lamps smaller than 528 candle power multiple or 600 candle power series circuits supplied from underground circuits, furnish lamps, overhead wires, underground conduits, cables and connections and all other necessary equipment and maintain same in good condition and repair.

The lighting rates for electric lamps are in accordance with the following table:

DESCRIPTION OF LAMPS.	Fixed Costs per Lamp per Year.	Burning Cost per Lamp Hour.
1,500 candle power magnetite arc series.....	\$36 00	1.5 cents
40 candle power Mazda lamp, series *.....	10 00	.22 cent
40 candle power Mazda lamp, multiple †.....	10 80	.26 cent
66 candle power Mazda lamp, multiple.....	10 80	.26 cent
80 candle power Mazda lamp, series.....	10 80	.26 cent
100 candle power Mazda lamp, series.....	12 00	.30 cent
132 candle power Mazda lamp, multiple.....	13 50	.36 cent
230 candle power Mazda lamp, multiple.....	18 00	.6 cent
250 candle power Mazda lamp, series.....	18 00	.6 cent
528 candle power Mazda lamp, multiple.....	31 00	1.00 cent
600 candle power Mazda lamp, series.....	31 00	1.00 cent
950 candle power Mazda lamp, multiple.....	32 00	1.3 cents
1,000 candle power Mazda lamp, series.....	32 00	1.3 cents
1,475 candle power Mazda lamp, multiple.....	36 00	1.5 cents
1,500 candle power Mazda lamp, series.....	36 00	1.5 cents
3,000 candle power Mazda lamp, series ‡.....	50 00	3.00 cents

* This is the single-bulb fire alarm lamp.

† This is the two-bulb fire alarm lamp.

‡ This is the twin-fixture lamp on boulevard posts.

A deduction at the rate of 1 cent per hour for lamps of 100 candle power or less and 5 cents per hour for all other lamps is made for outage.

Arc Lamps.

COMPANY.	Number of Lamps.	Type of Lamp.	Type of Circuit.	Candle Power.	Terminal.	Lighting Hours per Annum.	Cost of Lamp per Annum.
Edison Electric Illuminating Company.....	4,199	Magnetite..	Series 6.6 amp. D. C...	1,500	528	3,828	\$93 42
Charlestown Gas and Electric Company.....	None.						

NOTE.— In the above the candle power is the official designation. The wattage figures are eliminated.

Mazda Lamps.

COMPANY.	Number of Lamps.	Type of Lamps.	Type of Circuits.	Candle Power.	Lighting Hours per Annum.	Cost of Lamp per Annum.
Edison Electric Illuminating Company.....	373	Mazda.	Series 6.6 amp. D. C.	40	3,828	\$18 42
	261	Mazda (twin).	Multiple.	40	3,828	20 75
	1,544	Mazda.	Multiple.	66	3,828	20 75
	3,189	Mazda.	Series 6.6 amp. D. C.	80	3,828	20 75
	50	Mazda.	Series 6.6 amp. D. C.	100	3,828	23 48
	74	Mazda.	Multiple.	132	3,828	27 28
	14	Mazda.	Multiple.	230	3,828	40 97
	36	Mazda.	Series 6.6 amp. D. C.	250	3,828	40 97
	31	Mazda.	Multiple.	528	3,828	69 28
	136	Mazda.	Series 6.6 amp. D. C.	600	3,828	69 28
	23	Mazda.	Multiple.	950	3,828	81 76
	246	Mazda.	Multiple.	1,475	3,828	93 42
	1,983	Mazda.	Series 20 amp. A. C.	1,500	3,828	93 42
	21	Mazda (twin).	Series 20 amp. A. C.	3,000	3,828	164 84
	{ 16 F. A.	Mazda.	Series 6.6 amp. D. C.	80	3,828	20 75
Charlestown Gas and Electric Company.....	390	Mazda.	Series 20 amp. A. C.	1,500	3,828	93 42

NOTE.— In the above the candle power is the official designation. The wattage figures are eliminated.

The following tables show a comparison of the number of lamps of various types; also candle power and cost for the years of 1929 and 1930.

Street Lamps in Service December 31, 1929.

NUMBER.	Type.	Unit Candle Power.	Total Candle Power.	Cost of Burning.
4,672.....	Arc.	1,500	7,008,000	\$471,196 95
615.....	Mazda.	40	24,600	261,862 50
1,543.....	Mazda.	66	101,838	
3,143.....	Mazda.	80	251,440	
49.....	Mazda.	100	4,900	
81.....	Mazda.	132	10,692	
36.....	Mazda.	250	9,000	
12.....	Mazda.	528	6,336	
73.....	Mazda.	600	43,800	
23.....	Mazda.	950	21,850	
15.....	Mazda.	1,000	15,000	
156.....	Mazda.	1,475	230,100	
1,830.....	Mazda.	1,500	2,745,000	
21.....	Mazda.	3,000	63,000	
10,033.....	Gas.	60	601,980	258,486 22
22,302.....			11,137,536	\$991,545 67

Average cost per lamp per year, \$44.45.

Average cost per candle power per year, \$0.089027.

Street Lamps in Service December 31, 1930.

NUMBER.	Type.	Unit Candle Power.	Total Candle Power.	Cost of Burning.
4,199.....	Arc.	1,500	6,298,500	\$403,128 91
634.....	Mazda.	40	25,360	355,853 18
1,544.....	Mazda.	66	101,904	
3,205.....	Mazda.	80	256,400	
50.....	Mazda.	100	5,000	
74.....	Mazda.	132	9,768	
14.....	Mazda.	230	3,220	
36.....	Mazda.	250	9,000	
31.....	Mazda.	528	16,368	
136.....	Mazda.	600	81,600	
23.....	Mazda.	950	21,850	
246.....	Mazda.	1,475	362,850	
2,373.....	Mazda.	1,500	3,559,500	
21.....	Mazda.	3,000	63,000	
9,953.....	Gas.	60	597,180	243,496 18
22,539.....			11,411,500	\$1,002,478 27

Average cost per lamp per year, \$44.48.
Average cost per candle power per year, \$0.087848.

FINANCIAL STATEMENT.—PAVING SERVICE.

MAINTENANCE.

Appropriation from taxes	\$1,834,113 40
Transferred to City Treasury	\$69,009 00
Transferred to Public Welfare Department	71,309 94
	<u>140,318 94</u>
	<u>\$1,693,794 46</u>
Expended during year	<u>\$1,693,794 46</u>

SPECIAL APPROPRIATIONS.

Highways, Making of:

Expended during the year	<u>\$763,228 99</u>
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CHARLES STREET WIDENING, ETC.

Expended during the year	<u>\$2,947 71</u>
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DEPARTMENTAL EQUIPMENT.

Balance January 1, 1930	<u>\$138 34</u>
Transferred to East Boston Courthouse, etc.	<u>\$138 34</u>

GARAGE, HANCOCK STREET YARD.

Balance January 1, 1930	\$355 52
Expended during the year	0 00
	<u>\$355 52</u>
Balance December 31, 1930	<u>\$355 52</u>

GRANOLITHIC SIDEWALKS.

Balance January 1, 1930	\$24,662 19
Appropriation from taxes	100,000 00
	<u>\$124,662 19</u>
Expended during the year	<u>94,590 10</u>
	<u>\$30,072 09</u>
Balance December 31, 1930	<u>\$30,072 09</u>

LOWELL STREET, NASHUA STREET AND CAUSEWAY STREET.

Expended during the year	<u>\$6,908 45</u>
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MORTON STREET IMPROVEMENT.

Expended during the year	<u>\$13,241 29</u>
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OAKLAND AND ASHLAND STREETS, IMPROVEMENT.

Expended during the year	<u>\$8,041 64</u>
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PERMANENT STREET PAVEMENT.

Balance January 1, 1930	<u>\$1,880 23</u>
Transferred to Courthouse, Dorchester	\$1,660 92
Transferred to East Boston Courthouse, etc.	219 31
	<u>\$1,880 23</u>

RECONSTRUCTING AND REPAIRING STREETS BY CONTRACT.

Balance January 1, 1930	\$46,051 06
Appropriation from taxes	250,000 00
	<u>\$296,051 06</u>
Expended during the year	281,184 50
	<u>\$14,866 56</u>

RECONSTRUCTION OF STREETS.

Appropriation from taxes	\$750,000 00
Loan outside debt limit	1,200,000 00
Loan outside debt limit, authorized but not issued, ...	800,000 00
	<u>\$2,750,000 00</u>
Expended during the year	1,728,251 03
	<u>\$1,021,748 97</u>

RIVER STREET, RECONSTRUCTION.

Expended during the year	<u>\$880 68</u>
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STREET SIGNS.

Balance January 1, 1930	\$9,853 06
Appropriation from taxes	15,000 00
	<u>\$24,853 06</u>
Expended during the year	15,056 60
	<u>\$9,796 46</u>

SUMMER AND L STREETS, WIDENING AND CONSTRUCTION OF.

Expended during the year	<u>\$13,533 92</u>
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PAVING SERVICE.

SUMMARY OF EXPENDITURES.

Paving Service, maintenance	\$1,693,794 46
Highways, making of	763,228 99
Charles street widening, etc.	2,947 71
Granolithic sidewalks	94,590 10
Lowell street, Nashua street and Causeway street	6,908 45
Morton street improvement	13,241 29
Oakland and Ashland streets, improvement	8,041 64
Reconstructing and repairing streets by contract, ...	281,184 50
Reconstruction of streets	1,728,251 03
River street, reconstruction	880 68
Street signs	15,056 60
Summer and L streets, widening and construction of	13,533 92
Total	<u>\$4,621,659 37</u>

INCOME.

Statement showing the amount of bills and cash deposited with the City Collector from January 1, 1930, to December 31, 1930, and credited to General Revenue.

Edgestone and sidewalk assessments	\$83,581 35
Permits	24,015 42
Labor, materials furnished, etc.	4,600 11
Total	<u>\$112,196 88</u>

AMOUNT PAID INTO THE CITY TREASURY
DURING THE YEAR.

Edgestone and sidewalk assessments	\$54,353 59
Permits	24,366 66
Labor, materials furnished, etc.	4,475 05
Total	<u>\$83,195 30</u>

HIGHWAY DIVISION — PAVING SERVICE.
Work Done by Contract in Paving Service, 1930.

	Old.	New.	Total Old and New.
Edgestone set.....	119,912 linear feet.	146,774 linear feet.	266,686 linear feet.
Concrete base laid.....	347,864 square yards.	83,134 square yards.	430,998 square yards.
Second-hand granite block paving laid, grout joints.....	25,458 " "	5,177 " "	30,635 " "
Recut granite block laid, grout joints.....	.....	51,446 " "	51,446 " "
Granite block laid, gravel joints.....	7,155 square yards.	.....	7,155 " "
Asphalt and binder laid.....	609 " "	298,810 square yards.	299,419 " "
Bitulithic pavement laid.....	4,217 " "	251,178 " "	255,395 " "
Bituminous patching contract:			
1. Full depth asphalt.....	59,549 " "	4,869 " "	64,418 " "
2. Full depth bituminous concrete.....	48,861 " "	4,223 " "	53,084 " "
3. Surface work.....	48,753 " "	316 " "	49,069 " "
4. Extra binder.....	.....	68 tons.	68 tons.
5. Cement concrete base.....	1,755 square yards.	.....	1,755 square yards.
Asphalt macadam.....	.....	6,472 square yards.	6,472 " "
Extra binder.....	.....	264 tons.	264 tons.
Artificial stone sidewalks laid.....	4,056 square yards.	266,045 square yards.	270,101 square yards.
Brick sidewalks laid.....	13,288 " "	288 " "	13,576 " "
Crushed stone sidewalks laid.....	7,587 " "	1,340 " "	8,927 " "

Earth excavation.....	117,229 cubic yards.	117,229 cubic yards.
Rock excavation.....	3,962 "	3,962 "
Filling furnished.....	6,074 "	6,074 "
Crushed stone furnished.....	25,202 tons.	25,202 tons.
Concrete base removed.....	18,218 square yards.	18,218 square yards.
Loam furnished.....	127 cubic yards.	127 cubic yards.
Loam graded and seeded.....	1,756 square yards.	1,756 square yards.
Sign posts erected.....	193	193
Wooden fence.....	1,694 linear feet.	1,694 linear feet.
Iron fence.....	200 "	200 "
Dry wells.....	11	11
Concrete walls.....	532 cubic yards.	532 cubic yards.
Concrete curb.....	134 linear feet.	134 linear feet.
Telford base removed.....	148 square yards.	148 square yards.

Work Done by Paving Service Forces During 1930.

	Old.	New.	Total.
Edgestone set.....	68,205 linear feet.	3,673 linear feet.	71,878 linear feet.
Concrete base laid.....	2,668 square yards.	.....	2,668 square yards.
Roadway, granite block, gravel joints.....	5,658 " "	.....	5,658 " "
Roadway, granite block, grout joints.....	21,305 " "	15 square yards.	21,320 " "
Gutter, granite block, gravel joints.....	7,041 " "	48 " "	7,089 " "
Gutter, granite blocks, grout joints.....	1,936 " "	34 " "	1,970 " "
Flagging crosswalk, gravel joints.....	812 " "	221 " "	1,033 " "
Roadway, wood block, sand joints.....	4,476 " "	.....	4,476 " "
Asphalt penetration macadam surface placed.....	.....	148,104 square yards.	148,104 " "
Macadam surface patched.....	483,940 square yards.	.....	483,940 " "
Asphalt blanket coat.....	47,896 " "	.....	47,896 " "
Tar sidewalks repaired.....	2,281 " "	.....	2,281 " "
Sheet asphalt surface placed.....	.....	687 square yards.	687 " "
Sheet asphalt surface patched.....	7,961 square yards.	.....	7,961 " "
Fences repaired.....	800 linear feet.	.....	800 linear feet.
Brick sidewalks laid.....	55,388 square yards.	4,200 square yards.	59,588 square yards.
Artificial stone sidewalks laid.....	35,578 " "	1,507 " "	37,075 " "
Sidewalk excavating, no sidewalks laid.....	.....	720 cubic yards.	720 cubic yards.
Gravel or crushed stone sidewalks surfaced.....	153,731 square yards.	.....	153,731 square yards.
Roadway excavating, no roadway constructed.....	851 cubic yards.	.....	851 cubic yards.
Roadway excavating, roadway changed.....	1,691 " "	.....	1,691 " "
Grading (no pavement laid).....	7,420 square yards.	.....	7,420 square yards.
Brick block pavement laid.....	4,020 " "	.....	4,020 " "
Concrete roadway laid.....	3,810 " "	.....	3,810 " "
New style sign posts erected.....	.....	1,132	1,132

Objects of Expenditure from the Various Appropriations, Classified by Districts, from January 1, 1930, to December 31, 1930.

Districts.	Macadam Repairs.	Paved Street Repairs	Removal of Snow.	Street Cleaning.	Edgestone and Sidewalk Repairs.	Street Work.	Schedule A, Miscellaneous.	Totals.
South Boston and Dorchester North.....	\$15,725 79	\$7,957 59	\$8,753 80	\$5,035 59	\$12,201 40	\$204,870 82	.....	\$254,550 99
East Boston and Breed's Island.....	26,588 11	1,326 94	7,429 65	1,104 49	12,149 86	97,978 27	.....	146,577 32
Charlestown.....	6,743 04	5,695 31	4,500 68	2,057 43	5,782 62	103,864 00	.....	128,643 08
Brighton.....	45,525 18	.....	11,162 31	35,531 63	9,031 02	251,868 14	.....	353,118 28
West Roxbury.....	40,531 85	3,677 14	18,616 79	33,207 12	10,975 40	419,379 90	.....	526,388 20
Dorchester.....	37,684 28	2,103 74	7,405 24	15,305 21	26,215 78	292,405 42	.....	381,119 67
Roxbury South and Jamaica Plain.....	40,339 66	3,076 24	27,611 47	68,519 50	28,316 18	434,592 74	.....	602,455 79
City Proper.....	33,503 14	23,177 98	23,559 62	1,932 62	33,746 17	510,106 78	.....	632,026 31
Ashmont.....	31,576 82	1,719 29	9,562 76	12,576 16	8,480 65	417,186 89	.....	481,102 57
Hyde Park.....	16,613 21	.....	7,114 57	23,003 75	1,639 17	85,107 52	.....	133,478 22
Miscellaneous.....	.....	.....	.....	.....	.....	† 320,119 24	*\$662,079 70	982,198 94
Totals.....	\$234,831 08	\$48,734 23	\$125,722 89	\$198,273 50	\$154,538 25	\$3,137,479 72	*\$662,079 70	\$4,621,659 37

* Includes artificial stone sidewalk repairs, \$39,540.35; asphalt and bitulithic repairs, \$11,320.67, and wood and brick block repairs, \$10,396.83.
† Includes street signs, \$15,056.60; artificial stone sidewalk repairs and rebates, \$7,381.70; asphalt and bitulithic repairs, \$253,861.88; artificial stone sidewalks in North and West End streets, \$29,853.43; recutting, redressing, etc., \$13,294.28.

SCHEDULE A.

EXPENDITURES FOR FISCAL YEAR 1930.

Salary of division engineer (part of)	\$4,500 00
Salaries of office clerks and stenographers	12,185 59
Salaries of assistant engineers (office work)	25,201 95
Salaries of permit office clerks	14,592 31
Salaries of permit office inspectors	27,610 34
Salaries of engineering inspectors (office work)	16,876 04
Salaries of district inspectors	4,153 25
Salary of medical inspector (part of)	400 00
Medical attendance on injured employees (outside)	112 26
Salary of general foreman	3,300 20
Salary of chief veterinarian (part of)	500 00
Salary of inspector of horses	468 96
Pensions paid to veterans (retired)	2,968 14
Pensions paid to laborers (retired)	9,253 00
Compensation allowed injured employees	4,040 56
Vacations allowed laborers, mechanics, etc.	36,779 25
Holidays, not including holidays charged to street accounts	106,303 59
Postage	302 60
Printing	3,164 00
Stationery	977 11
Traveling expenses, car fares, etc.	1,472 21
Engineering supplies and incidentals	4,926 93
Stationery	\$1,257 06
Printing	751 15
Postage	206 72
Transits	1,393 20
Transit repairs	155 55
Miscellaneous	1,163 25
Supplies, etc., for laboratory	1,251 32
Artificial stone sidewalks, new, and repairs by department force. (See Reconstructing and Repairing Streets by Contract)	39,540 35
Asphalt and bitulithic pavement repairs. Temporary repairs, labor, teaming, materials. (See Reconstructing and Repairing Streets by Contract)	11,320 67
Brick block repairs, labor, teaming, materials	4,213 15
Wood block repairs, labor, teaming, materials	6,183 68
Crosswalks repaired, not included elsewhere	526 35
Fence repairs	5,726 91
<i>Carried forward</i>	<u>\$348,850 72</u>

<i>Brought forward</i>	\$348,850 72
Plankwalk repairs	609 57
Edgestone, sidewalks and gutters (new) not included elsewhere	8,071 81
Rent of land, wharves, etc.	4,911 00
Taxes	388 08
Expense of stables, including drivers, feeders, watchmen, fodder, horseshoeing, repairs to harnesses, wagons, carts, etc.	\$117,560 65
Amount earned by department teams	81,202 50
	36,358 15
Electric lighting at yards and stables	1,091 26
Gas lighting at yards and stables	175 50
Fuel, for heating offices, buildings and stables	4,651 02
Rent of towels	177 10
Stoves, pipes, grates, etc.	52 10
Telephone rentals and tolls	1,924 39
Ice	135 09
Signs, making, repairing, putting up, etc.	24,405 64
Tools, hardware, etc., new, cost of repairing, etc., ...	24,583 58
Oil for lighting around defects, etc.	1,362 10
Expenses of yards, including salaries of foreman, clerks, yardmen, watchmen, tool wagons, etc., ...	73,313 46
Repairs of yard buildings, stables, sheds, shanties, etc.	21,213 26
Sanding icy and slippery streets	10,678 14
Chests for Central Office, making of	266 83
Premium on surety bonds	20 00
Traverse street subway	1,624 94
Filling Gallivan Boulevard	975 00
Derricks, labor, repairs, etc.	1,161 58
Repairs to and inspection of typewriters and adding machines	60 00
Repairs to snow dumps	39 61
Work done and materials furnished, individuals, corporations, etc.	3,109 47
Miscellaneous	2,793 83
Work done and materials furnished other services and departments	4,672 56
Gas rollers, Buffalo, Pitts, one 16 ton, one 6 ton (net)	9,350 00
Automobiles and trucks, 4 Ford sedans, 9 Ford trucks and 12 Sterling trucks	69,064 45
Stone crusher, South End District, operating supplies, etc.	1,070 01
Garage, Albany street, employees' wages, fuel, gasoline, supplies, repairs, etc.	51,680 63
<i>Carried forward</i>	\$708,840 88

<i>Brought forward</i>			\$708,840 00
Garage, Hancock street, employees' wages, fuel, gasolene, supplies, repairs, etc.			16,234 84
Steam rollers, cost of operating, re- pairs, supplies, etc.	\$28,950 35		
Amount earned	26,443 88		
			<u>2,506 47</u>
Stock:			
Cost of materials	\$122,609 28		
Labor, handling and teaming	28,651 55		
		\$151,260 83	
Materials delivered on streets	138,871 28		
			<u>12,389 55</u>
Total			\$739,971 74
Credits:			
Automobiles:			
Amount earned by trucks	\$192,658 80		
Cost of operations, repairs, supplies, equipment, etc., ...	128,090 50		
		\$64,568 30	
Asphalt plant, Brighton:			
Value of materials used on streets	\$40,790 70		
Operating expenses, repairs, etc.	27,521 38		
		13,269 32	
Concrete mixers, etc.:			
Amount earned	\$916 00		
Cost of operating, repairs, etc.	861 58		
		54 42	
			<u>77,892 04</u>
Total			<u>\$662,079 70</u>

**The Number of Loads of Snow Removed from January 1, 1930, to
December 31, 1930.**

DISTRICT.	Single.*	Double.†	Auto Truck.‡	Cubic Yards.	Cost.§
South Boston.....			774	7,740	\$8,759 80
East Boston.....	378		222	2,976	7,429 65
Charlestown.....	1,850			3,700	4,500 68
Brighton.....			833	8,330	11,162 31
West Roxbury.....	1,032	914	2,561	30,416	18,616 79
Dorchester.....	190	109	763	8,337	7,405 24
Roxbury.....	2,025	940	1,295	19,820	27,611 47
South End.....			1,271	12,710	23,559 62
Ashmont.....	309	414	439	6,250	9,562 76
North End.....					
Hyde Park.....	378	77	565	6,637	7,114 57
Totals.....	6,162	2,454	8,723	106,916	\$125,722 89

* Single loads, 2 cubic yards.

† Double loads, 3 cubic yards.

‡ Auto truck loads, 3 cubic yards to 14 cubic yards.

§ Includes cost of plowing gutters, cleaning sidewalks, and picking ice not carted away.
Also automobile snow plows furnished by contractors.

**Loads of Dirt and Street Cleaning Removed from January 1, 1930,
to December 31, 1930.**

DISTRICT.	Single.*	Double.†	Auto Truck.‡	Cubic Yards.
South Boston.....	35		1,217	9,806
East Boston.....	115		77	731
Charlestown.....	510			510
Brighton.....			2,142	17,136
West Roxbury.....	159	547	866	8,181
Dorchester.....	135	17	536	4,457
Roxbury.....	3,250	1,790	1,425	26,120
South End.....				
Ashmont.....	78	370	601	5,656
North End.....				
Hyde Park.....	1,266	37	1,145	10,500
Totals.....	5,548	2,761	8,009	83,067

* Single loads, 1 cubic yard.

† Double loads, 2 cubic yards.

‡ Auto truck loads, 6 cubic yards.

New Edgestone and Brick Sidewalk Recapitulation for 1930.

DISTRICT.	Edgestone, Linear Feet.	Brick Sidewalk, Square Yards.
South Boston, Paving District, No. 1.....	—	—
East Boston, Paving District, No. 2.....	127	—
Charlestown, Paving District, No. 3.....	—	—
Brighton, Paving District, No. 4.....	464	—
West Roxbury, Paving District, No. 5.....	144	—
Dorchester, Paving District, No. 6.....	163	1,900
Roxbury, Paving District, No. 7.....	200	2,300
South End, Paving District, No. 8.....	527	—
North End, Paving District, No. 8, D. T.....		
Ashmont.....	1,388	—
Hyde Park, Paving District, No. 11.....	660	—
Totals.....	3,673	4,200

New Granolithic Sidewalks Laid by Department Forces
During 1930.

DISTRICT.	Square Feet.	Location of Work.
South Boston.....	—	
East Boston.....	—	
Charlestown.....	—	
Brighton.....	2,043	Washington street, near Oak square.
West Roxbury.....	333	Brahms street.
Dorchester.....	—	
Roxbury.....	—	
South End.....	2,115	Traffic island at Scollay square; Atlantic avenue, at South Station.
Ashmont.....	—	
North End.....	—	
Hyde Park.....	486	1125 Hyde Park avenue.
Total.....	4,977	

PUBLIC WORKS DEPARTMENT.

HIGHWAY DIVISION — PAVING SERVICE — DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATION "GRANOLITHIC SIDEWALKS."

STREET.	From.	To.	Contractor.	Pavement.	Length, Linear Feet.	Area, Square Feet.	Total Cost.	Amount Paid to Contractor.	MATERIALS.								EXPENSES.					WORK DONE.						PROGRESS.
									EDGESTONE.		GRANITE BLOCK.		SIDEWALK BRICK.		MISCELLANEOUS.		Engineering.	Inspection.	Traveling, etc.	Advertising.	Miscellaneous.	Excavation and Filling.	Edgestone Set and Reset.	Brick Sidewalk Laid and Relaid.	Roadway Paved and Repaved.	Artificial Stone Sidewalk Laid.	Miscellaneous.	
									Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.						Cubic Yards.	Linear Feet.	Square Yards.	Square Yards.	Square Feet.		
1. Arlington street (south side).	Hyde Park avenue.	265 feet easterly.	Pompeo Silverii.	Artificial stone sidewalks,	265	1,975	\$83 04	\$83 04								\$45 37											Completed November, 27 1929.	1
2. Athol street.	Raymond street.	Aldie street.														321 97	\$20 00	\$9 50	\$2 31		11	556		90	5,853		Work done in 1929.	2
3. Breed street.	Beunington street.	Leyden street.	Touf & Yeba, Inc.	Artificial stone sidewalks,	547	5,853	1,854 37	1,091 92	\$408 67	429						325 22	192 38	9 15	2 50		22	1,481		460	8,496		Completed November 25, 1930.	3
4. Brentwood street.	Franklin street.	Everett street.	Baker Construction Company.	Artificial stone sidewalks,	945	8,396	3,803 31	2,060 53	1,213 53	1,251						279 30	168 38	6 95		25	1,969		440	16,516		Completed November 1, 1930.	4	
5. Bunker Hill street.	Main street.	Belmont street.	Ferrari & Pettacia.	Artificial stone sidewalks,	1,835	30,716	4,597 79	4,165 16			\$22 00															Completed May 8, 1930.	5	
6. Cambridge street (south side).	Mechanic street.	120 feet northwesterly.	Martino DeMatteo.	Artificial stone sidewalks,	120	1,128	216 14	216 14								24 73										Completed October 27, 1930.	6	
7. Charles street.	281 feet west of Dorchester avenue.	155 feet west of Ditson street.	Appel & O'Toole.	Artificial stone sidewalks,	1,006	7,847	158 65	133 92								90 23	109 00	2 00	4 63		32					Completed November 25, 1929.	7	
8. Clifford street.	East Milton street.	Readville Trotting Park.	P. Silverii.	Artificial stone sidewalks,	1,440	12,642	340 80	340 80								13 00										Completed November 15, 1929.	8	
9. Columbia road (north side).	Blue Hill avenue.	Bird street.	J. J. McCarthy & Co.	Artificial stone sidewalks,	2,164	19,696	3,295 17	3,089 31								27 00										Completed October 1, 1930.	9	
10. Dana avenue (north side).	Hyde Park avenue.	Midland Division Railroad.														13 00										Work done in 1929.	10	
11. Dean street.	Judson street.	Howard avenue.														13 27	44 27	3 20	1 60		19	175	8	23,239		Completed September 30, 1930.	11	
12. Eliot street (southwesterly side).	Centre street.	Jamaica way.	John F. Shea Company.	Artificial stone sidewalks,	1,788	14,149	2,615 97	2,541 92	11 71	9						253 82	98 87	3 35	2 50		19	1,411		12	12,173		Completed December 8, 1930.	12
13. Etna street.	North Beacon street.	Elmira street.	Baker Construction Company.	Artificial stone sidewalks,	1,091	12,173	4,057 83	2,616 37	1,082 92	1,127						257 64	199 60	14 30	2 87		24	1,371		499	1,431		Completed October 14, 1930.	13
14. Fairmount street.	Milton avenue.	Capen street.	M. DeMatteo.	Artificial stone sidewalks,	758	9,717	3,117 57	2,543 60	99 56	72						224 62	228 19	7 75		29	2,382		24	13,768		Completed April 23, 1930.	14	
15. Fairview street.	South street.	Memum street.	C. Struzziery.	Artificial stone sidewalks,	1,381	13,768	4,831 71	3,794 73	576 42	578						232 84	170 03	4 35		37	813			6,171		Completed May 1, 1930.	15	
16. Florence street (north side).	100 feet east of Cummins highway.	Firth road.	C. Struzziery.	Artificial stone sidewalks,	912	6,171	3,467 83	2,195 15	865 46	738						30 00		2 45								Work done in 1929.	16	
17. Florence street.	Ashland street.	Sycamore street.														133 13		4 70	2 31		7	412	86	2,613		Completed November 27, 1930.	17	
18. Ford street.	Boardman street.	Breed street.	Tufo & Yeba, Inc.	Artificial stone sidewalks,	266	2,613	1,059 42	626 93	292 35	300						41 11										Completed December 5, 1930.	18	
19. Glenwood avenue west (easterly side).	River street.	220 feet southeasterly.	John F. Shea Company.	Artificial stone sidewalks,	225	1,435	454 74	299 24	154 70	163						32 86										Work done in 1929.	19	
20. Greenwich street.	Dorchester avenue.	Freepoint street.														39 00										Work done in 1929.	20	
21. Greenwood avenue.	Hyde Park avenue.	Metropolitan avenue.														220 40	153 57	10 90	2 87		9	1,204	20	375	5,249		Completed November 9, 1930.	21
22. Harris avenue.	Centre street.	Alveston street.	M. DeMatteo.	Artificial stone sidewalks,	631	5,249	1,912 83	1,448 50	76 59	58						37 95										Work done in 1929.	22	
23. Haskins street.	Ruggles street.	Vernon street.														35 60	66 51	1 75	2 88			242	80	2,340		Completed November 1, 1930.	23	
24. Houghton street.	Victory road.	Pope's Hill street.	M. DeMatteo.	Artificial stone sidewalks,	250	2,340	614 53	509 83	7 96	6				10 00		5 00										Work done in 1929.	24	
25. Ipswich street (west side).	Boylston street.	250 feet northerly.														43 11										Work done in 1929.	25	
26. Julian street.	Blue Hill avenue.	Howard avenue.														13 27										Work done in 1929.	26	
27. La Grange street.	Centre street.	Vermont street.														84 17	76 87	5 70	2 31		16	565	8	221	4,521		Completed December 5, 1930.	27
28. Leicester street.	Arlington street.	Arlington street.														18 11										Work done in 1929.	28	
29. Maple street.	Pine street.	Walnut street (south side).	Tufo & Yeba, Inc.	Artificial stone sidewalks,	702	4,521	1,341 06	973 98	198 03	209						358 91	289 78	8 45	2 32		7	2,042		58	1,624		Completed November 29, 1929.	29
30. Maverick street.	No. 249 to 295 and No. 303 to 307.		C. Capone.	Artificial stone sidewalks,	1,383	9,710	149 46	131 35								15 00										Completed November 26, 1930.	30	
31. Montview street.	Corey street.	Mt. Vernon street.	John F. Shea Company.	Artificial stone sidewalks,	145	1,624	289 42	281 26								141 09	240 76	6 65	1 60		272	2,932		509	15,120		Completed November 25, 1930.	31
32. Morton street (south side).	Lorna road.	West Selden street.	C. Struzziery.	Artificial stone sidewalks,	74	435	90 91	90 91								21 73		6 60								Completed November 14, 1929.	32	
33. Morton street (at No. 1215).			C. Struzziery.	Artificial stone sidewalks,	1,200	15,120	6,287 10	3,498 83	2,128 81	2,038						15 00										Completed November 6, 1930.	33	
34. Mt. Hope street.	Hyde Park avenue.	Stony brook.	C. Struzziery.	Artificial stone sidewalks,	2,616	26,372	1,023 24	1,008 24								141 09	240 76	6 65	1 60		272	2,932		1,080	22,965		Completed November 14, 1929.	34
35. Mt. Vernon street.	Centre street.	Vermont street.	John F. Shea Company.	Artificial stone sidewalks,	1,856	22,965	5,932 71	5,476 89	65 72	48						21 73		6 60								Completed November 27, 1929.	35	
36. Newburg street.	Bellgrade avenue.	Beech street.	Appel & O'Toole.	Artificial stone sidewalks,	390	2,746	853 42	610 22	168 77	170						26 36	44 27	2 40	1 40							Completed October 30, 1930.	36	
37. Olney street (north side).	Richfield street.	154 feet westerly.	John F. Shea Company.	Artificial stone sidewalks,	220	1,450	559 94	350 92	185 76	189						20 86			1 60							Completed December 15, 1930.	37	
38. Olney street.	No. 55.	No. 73.	John F. Shea Company.	Artificial stone sidewalks,	928	5,662	1,445 18	1,073 10	23 88	18						226 05	117 40	4 75		11	874					Completed May 19, 1930.	38	
39. Paul Gore street (south side).	Centre street.	96 feet west of St. Peter street.	C. Struzziery.	Artificial stone sidewalks,	220	1,450	559 94	350 92	185 76	189						20 86			1 60							Completed December 15, 1930.	39	
40. Pierce avenue.	Blain street.		J. J. McCarthy Company.	Artificial stone sidewalks,	1,440	18,421	6,824 19	3,834 52	2,482 53	2,523						328 78	158 34	15 40	4 62		52	2,516			18,421		Completed May 19, 1930.	40
41. Pond street (south side).	Elliot street.	Dunster road.	John F. Shea Company.	Artificial stone sidewalks,	161	1,526	309 40	309 40																		Completed October 29, 1930.	41	
42. Portsmouth street (west side).	Waverly street.	Lotbrop street.	Baker Construction Company.	Artificial stone sidewalks,	160	722	331 40	184 44	144 46	152						110 40	19 66	2 70										

PUBLIC WORKS DEPARTMENT.

HIGHWAY DIVISION — PAVING SERVICE — DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATION "HIGHWAYS, MAKING OF."

										MATERIALS.										EXPENSES.										WORK DONE.										PROGRESS.
STREET.		From	To	Contractor.	Pavement.	Length, linear feet.	Area, square yards.	Total Cost.	Amount Paid to Contractor.	EDGESTONE.		GRANITE BLOCK.		SIDEWALK BRICK.		MISCELLANEOUS.		Engineering.	Inspection.	Traveling, etc.	Advertising.	Miscellaneous.	Excavation and Filling.	Edgestone Set and Reest.	Brick Sidewalk and Road.	Roadway Paved and Repaved.	Artificial Stone Sidewalk Laid.	Miscellaneous.												
										Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.						Cubic Yards.	Linear Feet.	Square Yards.	Square Yards.	Square Feet.	Miscellaneous.												
1.	Alhambra road.	Maple street	Willow street.					\$68 28										\$65 48		\$2 80									Not started.	1										
2.	Alhambra road.	Centre street.	Whitney street.					9 00										9 00											Not started.	2										
3.	Arborea road.	Conway street.	Arnold Arboretum.	Dooley Brothers, Inc.	Sheet asphalt.	874	2,539	11,370 61	\$9,090 01	\$1,454 05	1,480						\$5 00	474 44	\$323 31	16 30	\$3 50		1,812	1,514		2,623	3,296	8,296	Completed December 6, 1930.	3										
4.	Arborea road.	Sidley road.	328 feet westerly.	Dooley Brothers, Inc.	Sheet asphalt.	330	1,042	4,210 28	3,326 44	508 12	559							191 17	177 05	4 00	3 50		548	577		971	3,143	Completed November 4, 1930.	4											
5.	Arborea road.	Perkins street.	Moraine street.	Charles Capone.	Bituthic.	470	1,360	6,346 69	5,329 20	694 09	717							106 43		4 80								Completed May 3, 1930.	5											
6.	Arborea road.	Flint street.	955 feet southwesterly.															106 43		4 80								Not started.	6											
7.	Arborea road.	South Huntington avenue.	Cranford street.	M. McGinnis Company.	Bituthic.	396	1,250	5,944 94	5,034 84	558 66	592							178 52	161 07	6 00	5 25		542	520		2,276	3,334	Completed September 24, 1930.	7											
8.	Arborea road.	Burlington street.	333 feet west of Parsons street.	A. DeStefano & Sons, Inc.	Sheet asphalt.	658	2,055	10,465 56	9,986 41	193 89		\$15 00						362 92	177 59	8 15								Completed May 24, 1930.	8											
9.	Arborea road.	Breck avenue.	919 feet easterly.	A. A. R. Doyle.	Sheet asphalt.	936	2,734	15,982 21	13,037 50	1,096 41	1,654							118 00				\$28 00	2,310	1,654		2,734	11,757	Completed August 1, 1930.	9											
10.	Arborea road.	Northbourne street.	Westbourne road.					60 03										60 03											Not started.	10										
11.	Arborea road.	Nikish avenue.	Nikish avenue.	A. DeStefano & Sons Inc.	Sheet asphalt.	615	1,781	9,761 09	8,056 08	1,076 14	1,104							778 73					1,718	1,136		1,826	7,536	Completed June 20, 1930.	11											
12.	Arborea road.	Breck avenue.	Newton line.	J. C. Coleman & Sons Company.	Bituthic.	306	921	3,804 04	2,982 76	543 84	585							119 42		1 40								Completed 1929.	12											
13.	Arborea road.	Wainwright street.	Melbourne street.	Thomas J. Kelley & Son.	Bituthic.	306	921	3,804 04	2,982 76	543 84	585							302 42		5 00	5 12		193	623		928	3,753	Completed November 25, 1930.	13											
14.	Arborea road.	La Grange street.	Cottage avenue.					312 54																					Not started.	14										
15.	Arborea road.	La Grange street.	Cottage avenue.																										Completed 1929.	15										
16.	Arborea road.	La Grange street.	Cottage avenue.																										Completed December 20, 1930.	16										
17.	Arborea road.	La Grange street.	Cottage avenue.																										Not started.	17										
18.	Arborea road.	La Grange street.	Cottage avenue.																										Completed 1929.	18										
19.	Arborea road.	La Grange street.	Cottage avenue.																										Completed June 19, 1930.	19										
20.	Arborea road.	La Grange street.	Cottage avenue.																										Completed December 6, 1930.	20										
21.	Arborea road.	La Grange street.	Cottage avenue.																										Completed December 4, 1929.	21										
22.	Arborea road.	La Grange street.	Cottage avenue.																										Not started.	22										
23.	Arborea road.	La Grange street.	Cottage avenue.																										Completed 1929.	23										
24.	Arborea road.	La Grange street.	Cottage avenue.																										Not started.	24										
25.	Arborea road.	La Grange street.	Cottage avenue.																										Completed 1929.	25										
26.	Arborea road.	La Grange street.	Cottage avenue.																										Not started.	26										
27.	Arborea road.	La Grange street.	Cottage avenue.																										Completed October 28, 1930.	27										
28.	Arborea road.	La Grange street.	Cottage avenue.																										Completed September 24, 1930.	28										
29.	Arborea road.	La Grange street.	Cottage avenue.																										Completed November 25, 1929.	29										
30.	Arborea road.	La Grange street.	Cottage avenue.																										Completed July 8, 1930.	30										
31.	Arborea road.	La Grange street.	Cottage avenue.																										Completed December 11, 1930.	31										
32.	Arborea road.	La Grange street.	Cottage avenue.																										Completed July 1, 1930.	32										
33.	Arborea road.	La Grange street.	Cottage avenue.																										Completed July 1, 1930.	33										
34.	Arborea road.	La Grange street.	Cottage avenue.																										Completed July 1, 1930.	34										
35.	Arborea road.	La Grange street.	Cottage avenue.																										Completed July 1, 1930.	35										
36.	Arborea road.	La Grange street.	Cottage avenue.																										Completed July 1, 1930.	36										
37.	Arborea road.	La Grange street.	Cottage avenue.																										Completed July 1, 1930.	37										
38.	Arborea road.	La Grange street.	Cottage avenue.																										Completed July 1, 1930.	38										
39.	Arborea road.	La Grange street.	Cottage avenue.																										Completed July 1, 1930.	39</										

PUBLIC WORKS DEPARTMENT.

HIGHWAY DIVISION — PAVING SERVICE — DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATION "RECONSTRUCTION OF STREETS."

										MATERIALS.				EXPENSES.				WORK DONE.																					
STREET.		From	To	Contractor.	Pavement.	Length, Linear Feet.	Area, Square Yards.	Total Cost.	Amount Paid to Contractor.	EDGESTONE.		ORANITE BLOCK.		SIDEWALK BRICK.		MISCELLANEOUS.		Engineering and Inspection.		Traveling, etc.		Advertising.		Miscellaneous.		Excavation and Filling.		Edgestone Set and Recut.		Brick Side-walk and Retain.		Roadway Paved and Improved.		Artificial Stone Side-walk.		Miscellaneous.		Progress.	
										Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Engineering.	Inspection.					Cubic Yards.	Linear Feet.	Square Yards.	Square Yards.	Square Feet.											
1.	Adams street.		Minot street.	Gallivan Boulevard.	Sheet asphalt.	164	782	\$2,016 13	\$1,696 26									\$181 11	\$126 79	\$7 60	\$4 37				95	82		782	1,850	Completed November 10, 1930.									
2.	Adams street.		Eaton square.	Dorchester avenue.	Sheet asphalt.	2,927	11,930	38,180 29	30,739 64	\$77 00	59							\$74 08	433 41	31 00	4 62				777	1,881	87	11,992	23,401	Completed August 19, 1930.									
3.	Albany street.		Stoughton street.	Massachusetts avenue.	Bitulithic.	979	6,116	21,848 03	21,284 80									241 55	301 98	10 70	9 00				18	786		6,270	21,320	Completed August 12, 1930.									
4.	Albany street.		Severn street.	Belgrade avenue.	Grading.	570	3,800	7,082 62	6,800 50	1,590 85	1,641							90 64	176 18	7 80	7 50				3,886	1,699				Completed August 7, 1930.									
5.	Anawan avenue.		Belgrade avenue.	Park street.	Bitulithic.	1,802	6,041	19,021 25	16,862 86									839 00	325 91	9 55					586					Completed November 25, 1930.									
6.	Artificial stone sidewalks. Amount paid for repairs and robes.							4,499 68																															
7.	Ashmont street.		Dorchester avenue.	Carruth street.	Sheet asphalt.	678	2,680	8,646 69	7,624 75	350 70	359							362 59	294 52	10 80	3 33				130	914	2	2,693	6,591	Completed October 10, 1930.									
8.	Asphalt repairs, 1930, District 2.							20,453 37	20,453 37																														
9.	Asylum street.		Harrison avenue.	Dorchester Rapid Transit.	Bitulithic.	352	422	2,558 03	1,703 64									238 40	127 20	3 50	4 82				8	736	11	422	2,129	Completed October 21, 1930.									
10.	Audubon road.		Mountfort street.	Charles street.	Bitulithic.	502	3,574	11,008 59	10,579 49									54 00							11	233		3,605	6,872	Completed December 16, 1930.									
11.	Belgrade avenue.		245 feet west of Roxham street.	Bridge over railroad.	Bitulithic.	1,508	7,855	19,989 21	19,187 47	15 65								383 21	291 83	12 55	8 50				11	233		6,789	5,624	Completed October 14, 1930.									
12.	Blue Hill avenue.		Washington street.	Harvard street.	Sheet asphalt.	4,956	29,005	87,082 94	83,324 76	461 63	378							2,900 84	552 37	42 71	8 50				1,653	6,107		30,350	17,803	Completed August 8, 1930.									
13.	Bowdoin street.		Adams street.	Mt. Ida road.	Sheet asphalt.	1,142	5,258	17,873 14	16,987 35	158 66	163							300 14	413 71	8 65	4 03				410	949		5,258	6,976	Completed August 19, 1930.									
14.	Bowdoin street.		Easterly side.	91 feet north of Bullard street.	Artificial stone sidewalks.	91	1,956	222 90	222 90									110 51	129 35	10 85	3 25				6	434	14	4,266	7,540	Completed October 21, 1930.									
15.	Boylston street.		Washington street.	Tremont street.	Bitulithic.	1,272	4,628	12,667 34	12,684 38									54 02	88 99						11	233		3,605	6,872	Completed August 11, 1930.									
16.	Boylston street.		Washington street.	Tremont street.	Bitulithic.	1,272	4,628	12,667 34	12,684 38									54 02	88 99						11	233		3,605	6,872	Completed August 11, 1930.									
17.	Branch street.		Charles street.	Spence street.	Bitulithic.	549	844	3,562 39	3,036 95	233 00	189							197 24	54 65	3 25	2 30				90	875	6	844	3,497	Completed October 4, 1930.									
18.	Bullard street.		Rosseter street.	Chelsea street.	Sheet asphalt.	402	1,656	5,121 74	4,965 30									83 93	66 81	5 70					90	821		1,692	3,998	Completed September 24, 1930.									
19.	Bunker Hill street.		Main street.	Warren Brothers Roads Company.	Bitulithic and recut granite blocks.	5,085	16,449	60,068 41	60,357 17									1,539 84	842 97	51 23	8 25				182	5,908	146	17,210	51,107	Completed August 22, 1930.									
20.	Bushnell street.		Dorchester avenue.	220 feet south of Ashmont street.	Sheet asphalt.	101	638	2,170 91	1,942 40									75 52	146 90	2 75	3 34				22	323		704	2,171	Completed October 10, 1930.									
21.	Cabot street.		Tremont street.	Linden Park street.	Artificial stone sidewalks.	1,106	122,104	5,140 57	4,794 20									133 93	118 17	6 25	3 25				35	237		90	28,260	Completed November 7, 1930.									
22.	Carson street.		Crescent avenue.	Dorchester Rapid Transit.	Bitulithic.	940	2,438	7,967 24	7,073 35	283 72	280							401 35	193 94	11 80	3 08				142	1,802		2,438	10,385	Completed November 28, 1930.									
23.	Central avenue.		River street.	Neponset river.	Bitulithic.	240	1,110	3,615 55	350 95	308								74 03	69 20	6 00					10	431		1,110	4,242	Completed December 9, 1930.									
24.	Centre street.		Dorchester avenue.	Charles street.	Bitulithic.	1,617	4,875	17,822 28	16,218 87	538 52	836							468 17	278 15	9 80	8 75				411	1,210		4,892	8,724	Completed September 13, 1930.									
25.	Chambers street.		Poplar street.	Brighton street.	Bitulithic.	863	2,179	9,463 17	8,690 80									525 84	215 01	5 90	4 60				65	1,484	47	2,214	8,200	Completed September 24, 1930.									
26.	Chambers street.		Green street.	Poplar street.	Artificial stone sidewalks.	647	7,250	1,465 61	1,363 95	46 84								54 52		30					150	56			7,250	Completed September 24, 1930.									
27.	Chatham street.		Commercial street.	Merchants row.	Recut granite blocks.	532	1,829	6,373 16	6,102 49									224 92	35 77	6 65	3 33				11	981		1,529	3,803	Completed August 5, 1930.									
28.	Chestnut street.		Charles street.	Drummond street.	Bitulithic.	467	1,609	6,419 12	6,108 59	52 00	37							195 23	59 10	1 90	2 30				24	783		1,609	5,340	Completed September 26, 1930.									
29.	Columbus avenue.		Northampton street.	Station street.	Bitulithic.	4,152	25,391	99,722 51	90,661 18					</																									

PUBLIC WORKS DEPARTMENT.

HIGHWAY DIVISION—PAVING SERVICE—DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATION "RECONSTRUCTING AND REPAIRING STREETS BY CONTRACT."

No.	STREET.	From	To	Contractor.	Pavement.	Length, Linear Feet.	Area, Square Yards.	Total Cost.	Amount Paid to Contractor.	MATERIALS.								EXPENSES.					WORK DONE.						PROGRESS.	No.
										EDGESTONE.		GRANITE BLOCK.		SIDEWALK BRICK.		MISCELLANEOUS.		Engineering.	Inspection.	Traveling, etc.	Advertising.	Miscellaneous.	Excavation and Filling.	Edgestone Set and Reset.	Brick Side- walk Laid and Relaid.	Roadway Paved and Repaired.	Artificial Stone Side- walk Laid.	Miscellaneous.		
										Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.													
1.	Asphalt repairs.	(1929)		Central Construction Company.				\$6,819 21	\$6,819 21																		Completed November 28, 1929.	1		
2.	Asphalt repairs.	(1930) District 1.		Central Construction Company.				118,830 99	107,832 97																		Completed November 7, 1930.	2		
3.	Asphalt repairs.	(1930) District 2.		M. F. Gaddis.				107,758 31	107,758 31																		Completed August 29, 1930.	3		
4.	Artificial stone sidewalks, rebates.							2,882 02																					4	
5.	Beacon street.	Bridge over Boston & Albany Railroad.	St. Mary's street.					587 34																			Done in 1929.	5		
6.	Beacon street.	Massachusetts avenue.	Raleigh street.	A. DeStefano & Sons, Inc.				13 70																			Done in 1927.	6		
7.	Belvidere street.	Salton street.	Massachusetts avenue.					5 00																			Done in 1929.	7		
8.	Border street.	Central square.	Concord street.					86 07																			Done in 1928.	8		
9.	D street.	Clafin street.	Across West Fourth street.					42 64																			Done in 1929.	9		
10.	East and West Canton streets.	Albany street.	Tremont street.					75 80																			Done in 1929.	10		
11.	Gardner street.	Baker street.	113 feet northwest of Rivermore street.					111 13																			Done in 1929.	11		
12.	Glenway street.	Blue Hill avenue.	Harvard street.					52 82																			Done in 1929.	12		
13.	Harrison avenue.	Bedford street.	Essex street.					8 00																			Done in 1929.	13		
14.	Huntington street.	Huntington avenue.	Boylston street.					68 71																			Done in 1929.	14		
15.	Homestead street.	Walnut avenue.	Humboldt avenue.	A. A. R. Doyle.	Bitulithic.	1,198	3,486	2,028 76	1,996 05																		Completed November 14, 1929.	15		
16.	Howard avenue.	Dudley street.	Quincy street.					55 54																			Done in 1929.	16		
17.	Huntington avenue.	South Huntington avenue.	Tremont street.					10 29																			Done in 1929.	17		
18.	Leon street.	Ruggles street.	Greenleaf street.					10 00																			Done in 1929.	18		
19.	Lexington street.	Meridian street.	Shelby street.	A. DeStefano & Sons, Inc.	Recut granite block.	3,470	11,603	200 00	200 00																		Completed November 7, 1927.	19		
20.	Medford street.	Chelsea street.	Main street.	A. DeStefano & Sons, Inc.	Concrete and recut granite.	5,584	26,862	100 00	100 00																		Completed July 16, 1927.	20		
21.	Monastery road.	Washington street.	Across Union street.					18 00																			Done in 1929.	21		
22.	Morton street.	Canterbury street.	Norfolk street.					133 06																			Done in 1929.	22		
23.	Morton street.	Canterbury street.	Norfolk street.					34 53																			Done in 1929.	23		
24.	Neponset avenue.	Adams street.	Neponset Bridge.					10 00																			Not done.	24		
25.	Pitts street.	Green street.	Merrimac street.					9 00																			Done in 1929.	25		
26.	River street.	Washington street.	Duxbury road.	M. DeMatteo.	Bitulithic.	3,072	11,622	40,857 89	38,927 65	\$47 76																Completed July 3, 1930.	26			
27.	Summer street.	New street.	Orleans street.					17 00																			Done in 1929.	27		
28.	St. James avenue.	Arlington street.	Berkeley street.					15 00																			Done in 1929.	28		
29.	Washington street.	Monastery road.	Brookline line.					82 15																			Done in 1929.	29		
30.	Westland avenue.	Massachusetts avenue.	Across Hemenway street.					45 83																			Not done.	30		
31.	West Second street.	Dorchester avenue.	Dorchester street.					215 71																				31		

PUBLIC WORKS DEPARTMENT.

HIGHWAY DIVISION — PAVING SERVICE — DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATION "SPECIAL APPROPRIATION."

	STREET.	From	To	Contractor.	Pavement.	Length, Linear Feet.	Area, Square Yards.	Total Cost.	Amount Paid to Contractor.	MATERIALS.								EXPENSES.					WORK DONE.						PROGRESS.				
										ROGESTONE.		GRANITE BLOCK.		SIDEWALK BRICK.		MISCELLANEOUS.		Engineering.	Inspection.	Traveling, etc.	Advertising.	Miscellaneous.	Excavation and Filling.	Edgestone Set and Reest.	Brick Sidewalk Laid and Relaid.	Roadway Paved and Repaved.	Artificial Stone Sidewalk Laid.	Miscellaneous.					
										Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.						Cubic Yards.	Linear Feet.	Square Yards.	Square Yards.	Square Feet.						
1....	Charles street widening, etc.....									\$33 73	29					¹ \$38 00	² \$20 00	\$1,364 77	\$1,482 31	\$0 15	\$8 75											Completed December 6, 1929.	1
2....	Lowell, Nashua and Causeway streets.							\$6,908 45	\$6,377 76	131 48	115							183 96	104 99	1 25		³ \$63 25		199		364	1,607					Completed December 1, 1929.	2
	Nashua street.....	Causeway street.....	Leverett street.....	S. J. Tomasello.....	Sheet asphalt.....	1,888	16,136																								Completed December 6, 1929.		
	Lowell street.....	Brighton street.....	Nashua street.....	S. J. Tomasello.....	Sheet asphalt.....																											Completed December 1, 1929.	
	Nashua street.....	At the B. & M. Hotel Building..		S. J. Tomasello.....	Sheet asphalt.....			79	350																							Completed June 17, 1930.	
	Morton street improvement.....							13,241 29										571 80	265 78	9 05		⁴ 400 00										Completed May 10, 1930.	3
3....	" " ".....	Druid street.....	Washington street.....	J. J. McCarthy & Co.....	Bituminous macadam..	1,619	11,500		9,147 16														371	183		3,309	29,897				Completed May 10, 1930.		
	" " ".....	Gallivan boulevard.....	Druid street.....	J. C. Coleman & Cons Company...	Grading.....	1,389			2,847 50														4,000							Unfinished.			
4....	Oakland and Ashland streets im- provement.							8,041 64										74 99														Completed December 4, 1929.	4
	Oakland street.....	Harvard street.....	Richmond road.....	A. DeStefano & Sons, Inc.....	Bitulithic.....	2,986	21,680		1,642 60																						Completed December 4, 1929.		
	Ashland street.....	Wilmot street.....	Harvard street.....	A. DeStefano & Sons, Inc.....	Bitulithic.....	2,160	12,628		6,324 15																						Completed December 4, 1929.		
5....	River street reconstruction.....			Leo J. Nawn.....				880 68	880 68																								
6....	Street signs.....							15,056 60										1,481 11	40 35	46 45													
7....	Summer and L streets, widening and construction of.	Reserve channel.....	East First street.....	Coleman Brothers, Inc.....	Recut granite blocks...	1,340	6,793	14,521 55	12,489 90									⁵ 435 76	⁶ 297 00	843 81	395 33	9 75		50	2,140		4,750			Unfinished.....	7		

¹ Labor, etc., by department force.
² Teaming.

³ Photographs.
⁴ Paid to Klagman Construction Company (excavating ledge).

⁵ Signs, posts, plates, etc.
⁶ Plans.

PUBLIC WORKS DEPARTMENT

DETAIL OF WORK DONE BY HIGHWAY DIVISION—PAVING SERVICE FORCE—CHARGED TO APPROPRIATION FOR MAINTENANCE.

[illegible]

¹ Cost of asphalt mix (8.95 tons).
² Cost of repairing retaining wall.
³ Cost of excavating rock, relaying and lowering surface drain.
⁴ Sheet asphalt (square yards).
⁵ Cost of operating mixer.

⁶ Cost of grouting.
⁷ Asphalt concrete (square yards).
⁸ Cost of asphalt mix (05 tons).
⁹ Cost of bituminous mix (2.75 tons).
¹⁰ Cost of Genasco (.25 ton).

¹¹ Cost of nails.
¹² Uncompleted work from 1929.
¹³ Granolithic sidewalk (square yards).
¹⁴ Cost of granolithic sidewalk.
¹⁵ Cost of concrete base.

- 14 Cobble gutter removed (square yards)
- 17 Cost of operating tractor-loader.
- 18 Cost of operating sweeper.
- 19 Cost of operating loader.
- 20 Cost of operating tractor.
- 21 Cost of digging test pit.
- 22 Amount paid under contract.

PUBLIC WORKS DEPARTMENT — HIGHWAY DIVISION — PAVING SERVICE.

Maintenance of Macadam Streets.

Cost by Years of Resurfacing or Patching from January 1, 1926, to December 31, 1930.

	1926.	1927.	1928.	1929.	1930.
Total length of macadam in miles.....	340.24	335.62	330.46	326.24	313.09
Total area of macadam in square yards.....	5,629,035	5,563,377	5,471,879	5,371,587	5,135,021
Total cost of resurfacing of macadam *.....	\$100,246 23	\$119,795 43	\$177,690 43	\$193,315 32	\$122,986 90
Total cost of patching of macadam †.....	\$305,664 95	\$299,546 48	\$316,233 52	\$292,031 86	\$294,831 08
Cost of resurfacing per mile over entire mileage.....	\$294 64	\$356 94	\$537 71	\$592 56	\$392 82
Cost of resurfacing per square yard over entire area.....	\$0 0178	\$0 0215	\$0 0325	\$0 0359	\$0 02006
Length of macadam resurfaced yearly in miles.....	4.893	6.6506	9.692	10.429	7.356
Cost per mile of macadam resurfaced yearly.....	\$20,487 64	\$18,012 73	\$18,333 72	\$18,536 32	\$16,719 26
Area of macadam resurfaced yearly in square yards.....	67,419	89,569	128,495	153,178	148,104
Cost per square yard of macadam resurfaced yearly.....	\$1 49	\$1,337	\$1,383	\$1 26	\$0 83
Area of macadam patched yearly in square yards.....	450,702	479,544	467,731	487,079	531,836
Cost per square yard of macadam patched yearly.....	\$0 678	\$0 625	\$0 65	\$0 599	\$0 554
Binders used in resurfacing (per cent):					
Water.....	.0000	.0000	.0000	.0000	.0000
Tar preparation.....	.0000	.0000	.0000	.0000	.0000
Asphalt preparations.....	1.0000	1.0000	1.0000	1.0000	1.0000

* By resurfacing is meant entire area of street excavated and resurfaced with not less than four inches of new material.

† By patching is meant scattered areas of depressions, etc., which are filled with new material from a depth of one half inch. up, and in some cases blanket coated with bituminous binder.
483,940 square yards patched; 47,896 square yards asphalt blanket coat.

STREET OPENINGS.

Under classes 1 and 2 of the schedule of permit fees, permits were issued for openings in public ways, as follows:

To WHOM ISSUED.	Number of Permits.	Length in Feet.
Sewer and Water Service.....	2,300	27,600
Boston Consolidated Gas Company.....	1,401	35,025
Boston Elevated Railway.....	150	22,500
Dedham and Hyde Park Gas Company.....	37	925
Edison Electric Illuminating Company.....	3,584	250,880
Miscellaneous.....	2,641	132,050
New England Telephone and Telegraph Com- pany.....	713	73,439
Emergency permits used and returned.....	1,148	28,700
	11,974	571,119

Making a total length of openings approximately 108 miles.

Total of all permits issued 17,997.

Permits for other than street openings have been issued as follows:

Cleaning snow from roof	18
Erecting and repairing awnings	314
Erecting and repairing buildings	646
Painting and minor repairs	3,378
Moving building in streets	2
Feeding horses in streets	19
Placing signs flat on buildings	967
Raising and lowering safes, etc.	11
Emergency permits for above	162
Special permits	505
Driving cattle in streets	1
	<u>6,023</u>

The fees from issuing permits amounted to \$24,088.17.

Of this amount \$18,592.91 was deposited with the City Collector and \$5,495.26 was billed to Public Service Corporations.

BONDS.

There are now on file 3,064 surety bonds, in amount of one, three and twenty thousand dollars, covering the city against claims for damages etc., through the use of permits.

APPENDIX D.

REPORT OF THE DIVISION ENGINEER OF
THE SANITARY DIVISION.

BOSTON, January 2, 1931.

MR. JOSEPH A. ROURKE,
Commissioner of Public Works.

DEAR SIR,— I submit herewith statement of activities and expenditures for the Sanitary Division ending December 31, 1930.

Maintenance and expenditures of the Sanitary Division are as follows:

Sanitary Division	\$3,175,568 77
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PERSONNEL CHANGES.

On April 14, 1930, the undersigned was appointed Division Engineer to fill the vacancy which had existed since the death of the former Division Engineer, Edward F. Murphy. Daniel H. Gillespie was retired as Supervisor, March 31, 1930, and Peter F. Gerrity was appointed to fill this position on April 1, 1930.

COMPLAINTS.

Major changes were instituted in the complaint office during the year to the end that better service is now being given to the public. The essential features of this system were: (a) A complaint blank upon which it was possible to indicate whether a complaint was justified or unjustified, and therefore to make the proper classification. It may be of interest to state that during one period investigated the number of unjustified complaints ran as high as 40 per cent of the total. (b) The other feature of the new complaint record serves as an active register, so designed, that it indicates at all times the actual complaint situation. It thus is possible to have this phase of our work under control at all times.

COLLECTION OF COMMERCIAL WASTE.

The regulations governing the collection of commercial waste by private parties have been thoroughly considered and the following changes were made: (a) All applicants for permits to do this work must present certain statistical information which is of the utmost value to this department in checking up the inroads that this form of collection make upon our income from the sale of tickets, and (b) Permit plates of a prominent type are furnished by the city and must be borne in a conspicuous place on the vehicle used in this work.

STREET CLEANING.

As a corollary of the ever increasing mileage of hard surfaced streets there is naturally a proportional diminution in the amount of work necessary in oiling and sanding streets of a less firm nature. Parked automobiles cause a constantly increasing handicap to the work of street cleaning, particularly to that of the motor-driven, pick-up sweepers, and thus would seem to indicate that the methods of hand cleaning are far from being obsolete. When, during a snowstorm, the streets are being ploughed, parked cars become an even greater problem since they not only obstruct our work, but also after being ploughed in, such cars are almost impossible to move. The abandoned automobile is becoming a major problem and is the subject of considerable study by this office. At an early date it is expected that a solution will be offered.

Yours respectfully,

ADOLPH J. POST,
Division Engineer.

SANITARY SERVICE.

FINANCIAL STATEMENT.

Appropriation	\$3,382,854 25
Transferred to other appropriations	152,535 20
	\$3,230,319 05
Expended by Sanitary Service, \$2,207,807 64	
Expended by Street Cleaning and	
Oiling Service 967,761 13	
	3,175,568 77
Balance	<u>\$54,750 28</u>

INCOME.

Statement showing the amount of bills and cash deposited with the City Collector from January 1, 1930, to December 31, 1930, and credited to General Revenue.

Tickets and bills for the removal of ashes and waste	\$69,985 35
Sale of manure	3,237 90
Sale of old material	12 00
Oiling streets	659 54
Miscellaneous	108 80
Removing dirt from Farmers Market	3,855 25
	<u>\$77,858 84</u>

AMOUNT PAID INTO THE CITY TREASURY DURING THE YEAR.

Removal of ashes and waste	\$69,985 35
Sale of manure	3,507 90
Sale of old material	12 00
Oiling streets	659 54
Miscellaneous	108 80
Removing dirt from Farmers Market	3,855 25
	<u>\$78,128 84</u>

Items of Expenditure for the Year 1930.

Division engineer (salary of).....	\$4,306 90
Salary, supervisor.....	3,971 12
Salary, senior engineer.....	2,959 12
Salary, medical inspector.....	1,300 00
Salary, chief veterinary (in part).....	1,250 00
Salaries, foremen.....	29,375 39
Salaries, yard clerks, constables, stockkeeper, etc.....	7,766 26
Labor, collecting and disposing of house dirt and ashes.....	565,939 44
Labor, collecting and disposing of waste and rubbish.....	37,320 43
Labor, collecting and disposing of house offal.....	185,908 46
Labor and stock at stables and yards.....	83,325 12
Contractor on ashes and offal, East Boston, Brighton, West Roxbury, Dorchester and Hyde Park.....	418,800 00
Contract for disposal of ashes and garbage.....	345,000 00
Holidays, pay allowed.....	118,083 60
Vacations, pay allowed.....	27,689 15
Grain.....	9,160 14
Hay and straw.....	14,469 66
Medical attendance and pay allowed injured employees.....	7,038 68
Veterinary services and medicine.....	216 21
Outside wheelwright, blacksmithing, horseshoeing, etc.....	18,194 59
Labor and stock, wheelwright, blacksmith, painting, etc.....	83,006 50
Repairs to stables, sheds, etc.....	41,081 38
Fuel.....	3,504 87
Gas.....	511 90
Electric light and power.....	3,062 41
Printing, stationery, office supplies, advertising, etc.....	3,639 68
Automobile expenses.....	181,518 37
Rents.....	2,055 00
Telephone tolls and rentals.....	788 44
Retired veterans' pensions.....	1,290 50
Retired laborers' pensions.....	3,224 32
Draught horses.....	1,750 00
Total.....	\$2,207,807 64

Amount Expended for the Collection and Disposal of Ashes, Garbage, Waste and Rubbish, by Districts, 1930.

DISTRICTS.	Popula- tion.	ASHES.		GARBAGE.		WASTE AND RUBBISH.		Total Cost.	Total Cost Per Capita.
		Cost.	Per Capita.	Cost.	Per Capita.	Cost.	Per Capita.		
1. South Boston.....	61,113	\$170,206 66	\$2.785	\$42,076 25	\$0.688	\$408 10	\$0.0067	\$212,691 01	\$3.480
2. East Boston.....	61,454	55,662 77	0.9057	5,345 54	0.0870	.....	.....	61,008 31	0.9927
3. Charlestown.....	31,663	84,218 72	2.6598	14,237 60	0.4497	.....	.....	98,456 32	3.1095
4. Brighton.....	56,362	62,060 88	1.1011	25,316 05	0.4492	.....	.....	87,376 93	1.5503
5. West Roxbury.....	59,517	45,809 24	0.7697	13,088 27	0.2199	.....	.....	58,897 51	0.9896
6. Dorchester.....	188,433	242,867 53	1.2889	61,160 76	0.3246	.....	.....	304,028 29	1.6135
7. Roxbury.....	151,729	431,740 58	2.8455	151,210 47	0.9966	28,334 31	0.1867	611,285 36	4.0288
8 and 9. South End and Back Bay,	90,734	363,125 98	4.0021	60,962 91	1.6718	50,951 79	0.5616	475,040 68	5.2355
10. North and West Ends.....	55,985	233,820 40	4.1765	25,739 01	0.4597	20,188 63	0.3606	279,748 04	4.9968
11. Hyde Park.....	24,198	15,963 08	0.6597	3,312 11	0.1368	.....	.....	19,275 19	0.7966
Totals.....	781,188	\$1,705,475 84	\$2.1194	\$402,448 97	\$0.5483	\$99,882 83	\$0.2789	\$2,207,807 64	\$2.6783

House Dirt and Ashes Removed.

YEARS.	Loads.	Cubic Yards.	Tons.
1926.....	232,670	1,035,160	421,828
1927.....	182,658	1,140,579	464,787
1928.....	175,266	1,080,421	440,271
1929.....	170,448	1,113,499	453,751
1930.....	176,115	1,160,409	472,866

House Offal Removed.

YEARS.	Loads.	Cubic Yards.	Tons.
1926.....	48,738	161,551	95,315
1927.....	46,002	183,110	108,034
1928.....	39,620	185,095	109,207
1929.....	37,105	182,731	107,811
1930.....	36,550	206,143	122,096

Waste and Rubbish Removed.

YEARS.	LOADS.		Cubic Yards.	Tons.
	Paper Carts.	Market Wagon.		
1926.....	1,783	4,438	49,768	6,131
1927.....	1,722	4,068	46,320	5,681
1928.....	1,696	3,621	42,436	5,284
1929.....	1,271	* 3,589	41,232	5,484
1930.....	1,269	* 3,159	41,736	6,101

Loads of Material Collected.

YEARS.	Ashes.	Offal.	Rubbish.	Total Loads.	Tons.
1926.....	232,670	48,738	6,221	287,629	523,274
1927.....	182,658	46,002	5,790	234,450	578,502
1928.....	175,266	39,620	5,284	220,203	554,762
1929.....	170,448	37,105	5,154	212,707	567,046
1930.....	176,115	36,550	5,217	217,882	601,063

* Does not include 789 auto truck loads..

Collected by Contract.

DISTRICTS.	ASHES.				OFFAL.				
	Double Loads.	Auto Loads.	Cubic Yards.	Tons.	Single Loads.	Double Loads.	Auto Loads.	Cubic Yards.	Tons.
East Boston.....	.....	9,230	92,300	37,612	24	.....	660	6,648	3,922
Brighton.....	.....	6,805	68,050	27,730	.....	.....	2,499	24,490	14,449
West Roxbury.....	.....	5,037	50,370	20,526	.....	.....	1,350	13,500	7,965
Dorchester.....	35,240	5,427	230,470	93,917	.....	5,441	1,534	34,384	20,287
Hyde Park.....	.....	2,246	22,460	9,152	.....	294	708	3,006	1,774
Totals.....	35,240	28,745	463,650	188,937	24	5,735	6,751	82,028	48,397

Final Disposition of All Material in Loads and Tons (2,000 Pounds). Collected by the Sanitary Service, January 1, 1930, to December 31, 1930.

CLASS OF REFUSE.	COLEMAN DISPOSAL COMPANY.		COLLECTED AND DISPOSED OF BY CONTRACTORS.		Total Loads.	Total Tons.
	Loads.	Tons.	Loads.	Tons.		
House dirt and ashes.....	112,130	283,929	63,985	188,937	176,115	472,866
Offal.....	31,333	93,986	5,217	28,110	36,550	122,096
Waste and rubbish.....	5,217	6,101	.....	.....	5,217	6,101
Totals.....	148,680	384,016	69,202	217,047	217,882	601,063

Cost of Collection and Disposal of Refuse by Day Labor Force in the City of Boston for the Year Ending December 31, 1930.

Districts and Popu- lation.	CHARACTER OF REFUSE.	COST PER TON BY DISTRICTS.					COST OF DISTRICTS.						WHERE DISPOSED OF.
		Tons. (2,000 lbs.)	Total Tons.	To Collect.	For Disposal.	Total Collection and Disposal.	To Collect.	Total Cost to Collect.	For Disposal.	Total Cost of Disposal.	Total Cost of Collection and Disposal.	Total Cost per Capita Collection and Disposal.	
1 (61,113)	Mixed refuse, principally ashes (no kitchen wastes) ..	40,414	.....	\$3 193	\$1 018	\$4 211	\$129,054 81	.....	\$41,151 85	.....	\$170,206 66	.....	Coleman Disposal Company.
	Garbage, principally kitchen wastes.....	8,884	.....	4 032	0 703	4 735	35,828 06	.....	6,248 19	.....	42,076 25	.....	Coleman Disposal Company.
	Store refuse, principally paper.....	41	.....	5 804	4 149	9 953	237 97	.....	170 13	.....	408 10	.....	Coleman Disposal Company.
			49,339					\$165,120 84		\$47,570 17			
3 (31,663)	Mixed refuse, principally ashes (no kitchen wastes) ..	20,954	.....	\$3 001	\$1 018	\$4 019	\$62,881 58	.....	\$21,337 14	.....	\$84,218 72	.....	Coleman Disposal Company.
	Garbage, principally kitchen wastes.....	4,203	.....	2 684	0 703	3 387	11,281 55	.....	2,956 05	.....	14,237 60	.....	Coleman Disposal Company.
			25,157					74,163 13		24,293 19			
				Av. \$2 948	Av. \$0 965	Av. \$3 913					\$98,456 32	3 110	
5 (part) and 7 (151,729)	Mixed refuse, principally ashes (no kitchen wastes) ..	98,888	.....	\$3 347	\$1 018	\$4 365	\$331,046 64	.....	\$100,693 94	.....	\$431,740 58	.....	Coleman Disposal Company.
	Garbage, principally kitchen wastes.....	42,640	.....	2 842	0 703	3 545	121,222 21	.....	29,988 26	.....	151,210 47	.....	Coleman Disposal Company.
	Store refuse, principally paper.....	1,667	.....	12 847	4 149	16 996	21,417 23	.....	6,917 08	.....	28,334 31	.....	Coleman Disposal Company.
			143,195					473,656 08		137,599 28			
				Av. \$3 307	Av. \$0 961	Av. \$4 268					\$611,285 36	4 028	
8 and 9 (90,734)	Mixed refuse, principally ashes (no kitchen wastes) ..	72,318	.....	\$4 002	\$1 018	\$5 020	\$289,487 08	.....	\$73,638 90	.....	\$363,125 98	.....	Coleman Disposal Company.
	Garbage, principally kitchen wastes.....	13,343	.....	3 865	0 703	4 568	51,578 59	.....	9,384 32	.....	60,962 91	.....	Coleman Disposal Company.
	Store refuse, principally paper.....	3,086	.....	12 361	4 149	17 510	38,146 69	.....	12,805 10	.....	50,951 79	.....	Coleman Disposal Company.
			88,747					379,212 36		95,828 22			
				Av. \$4 272	Av. \$1 079	Av. \$5 351					\$475,040 68	5 235	
10 (55,985)	Mixed refuse, principally ashes (no kitchen wastes) ..	51,355	.....	\$3 534	\$1 018	\$4 552	\$181,527 77	.....	\$52,292 63	.....	\$233,820 40	.....	Coleman Disposal Company.
	Garbage, principally kitchen wastes.....	4,629	.....	4 857	0 703	5 560	22,483 38	.....	3,255 63	.....	25,739 01	.....	Coleman Disposal Company.
	Store refuse, principally paper.....	1,307	.....	11 297	4 149	15 446	14,765 34	.....	5,423 29	.....	20,188 63	.....	Coleman Disposal Company.
			57,291					218,776 49		60,971 55			
				Av. \$3 818	Av. \$1 064	Av. \$4 882					\$279,748 04	4 996	
391,224	Totals.....		363,729	Av. \$3 604	Av. \$1 007	Av. \$4 611		\$1,310,958 90		\$366,262 51	\$1,677,221 41	\$4 287	

Total as above..... \$1,677,221 41
Add total of contract table, page 116..... 530,586 23
Net amount of appropriation..... \$2,207,807 64

Details of Collected Refuse in Boston for the Year Ending December 31, 1930.

DISTRICTS.	Popula- tion.	Class of Labor.	ASHES.												GARBAGE.															WASTE AND RUBBISH.																	COMBINED TOTALS OF ASHES, GARBAGE, WASTE AND RUBBISH.																									
			CARTS AND AUTOS.						TOTALS.	COMBINED TOTALS.		AVERAGE WEIGHT PER CUBIC YARD.		TOTAL WEIGHTS.			CARTS AND AUTOS.						TOTALS.	COMBINED TOTALS.		AVERAGE WEIGHT PER CUBIC YARD.		TOTAL WEIGHTS.		GRAND TOTALS.	CARTS.			WAGONS.			AUTOS.			COMBINED TOTALS.																																
			NUMBER OF LOADS.			AVERAGE CAPACITY.								CITY.	CON- TRACT.	GRAND TOTALS.	NUMBER OF LOADS.			AVERAGE CAPACITY.											Cubic Yards.	Loads.	Cubic Yards.	Pounds.	Tons.	CITY.								CONTRACT.	Tons.	Number of Loads.			AVERAGE WEIGHT.	TOTALS.	Number of Loads.	AVERAGE WEIGHT.	TOTALS.	Number of Loads.	AVERAGE WEIGHT.	TOTALS.	Loads.	Tons.														
			Single.	Double.	Auto.	CUBIC YARDS.											Single.	Double.	Auto.	Single.	Double.	Auto.															Pounds.	Tons.	Tons.	Tons.	Pounds.	Tons.	Tons.																Pounds.	Tons.	Tons.	Pounds.	Tons.	Tons.	Pounds.	Tons.	Tons.	Pounds.	Tons.	Tons.	Loads.	Tons.
						SINGLE.	DOUBLE.	AUTO.																																																																
South Boston.		City.....	6,193		5,978	2.5		14	99,175	12,171	99,175	815	.4075	40,414		40,414	2,680		1,293	2		7½	15,058	3,973	15,058	1,180	.59	8,884		8,884	14	1,400	.7	10	26	2,200	1.1	29	1	4,400	2.2	2	41	41	16,185	49,339																										
East Boston.		Contract.....			9,230			10	92,300	9,230	92,300	815	.4075	37,612		37,612	24		660	2		10	6,648	684	6,648	1,180	.59	3,922		3,922															0,914	41,534																										
Charlestown.		City.....	2,559		3,216	2.5		14	51,422	5,775	51,422	815	.4075	20,954		20,954	6		508	2		14	7,124	514	7,124	1,180	.59	4,203		4,203																6,289	25,157																									
Brighton.		Contract.....			6,805			10	68,050	6,805	68,050	815	.4075	27,730		27,730			2,449			10	24,490	2,449	24,490	1,180	.59	14,449		14,449																9,254	42,179																									
West Roxbury.		Contract City.....	1,585	23	5,037	2.5	5	10	50,370			815	.4075	20,526		20,526			1,350			10	13,500			1,180	.59	7,965		7,965																																										
		Contract City.....			2,609			14	40,604	9,254	90,974	815	.4075	16,546		37,072	22	3	1,606	2	3.5	14	22,539	2,981	36,039	1,180	.59	13,298		21,263					188	2,200	1.1	207	160	4,400	2.2	352	348	559	12,583	58,894																										
Dorchester.		Contract.....		35,249	5,427		5	10	230,470	40,667	230,470	815	.4075	93,917		93,917		5,441	1,534		3.5	10	34,384	6,975	34,384	1,180	.59	20,287		20,287																	47,642	114,204																								
Roxbury.		City.....	7,318	4,823	11,404	2.5	5	11	202,066	23,545	202,066	815	.4075	82,342		82,342	3,117	652	2,944	2	3.5	14	49,732	6,713	49,732	1,180	.59	29,342		29,342					417	2,200	1.1	459	295	4,400	2.2	649	712	1,108	30,970	112,792																										
South End and Back Bay.		City.....	25,532		8,117	2.5		14	177,468	33,649	177,468	815	.4075	72,318		72,318	6,674		662	2		14	22,616	7,336	22,616	1,180	.59	13,343		13,343	1,255	1,400	.7	879	1,340	2,200	1.1	1,474	333	4,400	2.2	733	2,928	3,086	43,913	88,747																										
North and West Ends.		City.....	28,939		3,834	2.5		14	126,024	32,773	126,024	815	.4075	51,355		51,355	3,923			2			7,846	3,923	7,846	1,180	.59	4,629		4,629					1,188	2,200	1.1	1,307						1,188	1,307	37,884	57,291																									
Hyde Park.		Contract.....			2,246			10	22,460	2,246	22,460	815	.4075	9,152		9,152		294	708		3	3	3,006	1,002	3,006	1,180	.59	1,774		1,774															3,248	10,926																										
Totals.			72,126	40,085	63,903				1,160,409	176,115	1,160,409			283,929	188,937	472,866	16,446	6,390	13,714				206,943	36,550	206,943			73,699	48,397	122,096	1,269			889	3,159			3,476	789			1,736	5,217	6,101	217,882	601,063																										

Cost of Collections and Disposal of Refuse by Contract in the City of Boston for the Year 1930.

Contract Districts and Population.	CHARACTER OF REFUSE.	Tons (2,000 lbs.).	Total Tons.	Cost per Ton by Districts; Collection and Disposal.	COST PER DISTRICTS.			Where Disposed of.
					Cost.	Total Cost.	Total Cost per Capita.	
2.. (61,454).....	{ Mixed refuse, principally ashes (no kitchen wastes).....	37,612	.....	\$1.479	\$55,662 77	.....	.....	Inland dumps.
	{ Garbage, principally kitchen wastes....	3,922	.....	1.362	5,345 54	\$61,008 31	\$0.9927	*
4.. (56,362).....	{ Mixed refuse, principally ashes (no kitchen wastes).....	27,730	.....	Av. \$1.468	\$62,060 88	.....	.....	Inland dumps.
	{ Garbage, principally kitchen wastes....	14,449	.....	1.752	25,316 05	87,376 93	1.5504	*
5.. (59,517).....	{ Mixed refuse, principally ashes (no kitchen wastes).....	20,526	.....	Av. \$2.071	\$45,809 24	.....	.....	Inland dumps.
	{ Garbage, principally kitchen wastes....	7,965	.....	\$2.231	13,088 27	58,897 51	0.9896	*
6.. (188,433).....	{ Mixed refuse, principally ashes (no kitchen wastes).....	93,917	.....	Av. \$1.530	\$242,867 53	304,028 29	1.6135	Coleman Disposal Co.†
	{ Garbage, principally kitchen wastes....	20,287	.....	3.014	61,160 76	.....	.....	Inland dumps.
11.. Hyde Park... (24,198)	{ Mixed refuse, principally ashes (no kitchen wastes).....	9,152	.....	Av. \$2.662	\$15,963 08	.....	.....	*
	{ Garbage, principally kitchen wastes....	1,774	.....	1.867	3,312 11	19,275 19	0.7966	
389,964	Totals.....	.....	237,334	Av. \$1.764 \$1.915	.....	\$530,586 23	\$1.1880	

* Removed beyond city limits and presumably fed to swine.
† Contract for disposal.

Total as above.....	\$530,586 23
Add total of day labor table (between pages 114 and 115).....	1,677,221 41
Net amount of appropriation.....	<u>\$2,207,807 64</u>

SANITARY DIVISION—STREET CLEANING SERVICE.

General administration:

Salary, deputy supervisor (in part)	\$820 40	
Pensions, retired veterans	2,130 24	
Pensions, retired laborers	2,517 00	
Annuity, Acts of 1920, chapter 132	600 00	
Salary, medical inspector	900 00	
Salary, chief veterinarian	1,000 00	
Injured employees	3,148 56	
Telephone	591 58	
Printing and stationery	1,188 41	
Miscellaneous	97 10	
Auto repairs and maintenance,	870 78	
		\$13,864 07

General expenses other than general administration:

Wages, stablemen	\$47,043 69	
Wages, yardmen	3,055 11	
Wages, yard laborers	5,879 75	
Wages, watchmen	11,147 50	
Wages, telephone operator	1,559 26	
Wages, clerks	6,757 14	
Hay, grain and straw	32,021 40	
Light	918 22	
Fuel	498 56	
Horseshoeing, etc.	3,002 24	
Harnesses, etc.	330 28	
Veterinary, service and medicine	283 05	
Stable and yards, building repairs	219 35	
Stable and yards, supplies	559 06	
Ferry tolls	175 04	
Auto repairs and maintenance,	7,958 84	
		121,408 49

Operating expenses:

Salaries, district foremen	\$24,263 70	
Salaries, inspectors	52,122 77	
Wages, laborers	491,508 28	
Sanitary shop, labor	24,618 65	
<i>Carried forward</i>	\$592,513 40	\$135,272 56

<i>Brought forward</i>	\$592,513 40	\$135,272 56
Holiday and allowed time	46,568 00	
Vacation	22,118 43	
Teams and autos, hire of	1,536 93	
Dumps, use of	502 77	
Snow license	500 00	
Cart repairs	7,968 83	
Tools, repairs	177 99	
Vehicle supplies	70 72	
Push carts and barrels	2,091 94	
Push brooms, teamsters' brooms, etc.	2,674 43	
Machine brooms	1,952 00	
Sweeping machine repairs	147 62	
Sand	906 03	
Sand spreaders	1,514 70	
Sand barrels, etc.	186 24	
Rubbish boxes	2,357 51	
Shovels, hoes and picks, etc.,	1,977 00	
Snow plows, etc.	3,232 51	
Sanitary shop, stock	10,618 65	
Horses	1,725 00	
Water cart repairs	74 42	
Hose, etc.	576 41	
Horse drawn flusher repairs	226 64	
Miscellaneous	380 00	
Auto repairs and maintenance,	70,136 60	
		772,734 77
Total		\$908,007 33

STREET WATERING AND OILING BRANCH.

General Administration:

Salary, deputy supervisor (in part)	\$71 34
Printing and stationery	112 04
Telephone	36 96
Auto repairs and maintenance,	654 29

\$874 63

General expenses other than general administration:

Wages of stablemen	\$145 00
Hay and grain	106 40
Horseshoeing	63 00
Miscellaneous	18 74
Auto repairs and maintenance,	380 56

713 70

Operating expenses:

Road oil	\$20,532 32
Sand	6,501 87
Calcide	674 44
Water cart repairs	124 58
Express wagon repairs	185 61
Tools, etc.	46 83

28,065 65

Inspection:

Oil	\$5,118 19
Water	147 41
Calcide	210 81
Sanding	89 93
Holiday	87 94
Vacation	228 23

5,882 51

Labor:

Oil	\$7,525 61
Water	253 05
Calcide	458 76
Sanding	14,664 39
Holiday	478 00
Vacation	837 50

24,217 31

Total

\$59,753 80

DISTRIBUTION OF EXPENDITURES.

Removing snow	\$104,491 18
Flushing streets	30,014 80
Street patrolling	105,402 67
Push cart patrolling	162,453 41
Cleaning of paved streets	261,885 41
Cleaning of macadam streets	117,083 79
Public alleys	4,004 79
Sanding of slippery streets	4,526 61
Cleaning streets by motor machines	81,308 10
Ashes	4,389 15
Total	<u>\$908,007 33</u>
Oiling of public streets and ways	57,338 80
Watering of public streets and ways	2,415 00
Total	<u><u>\$967,761 13</u></u>

Summary, 1930.

ITEMS.	STREET CLEANING BRANCH.			STREET WATERING AND OILING BRANCH.		
	1928.	1929.	1930.	1928.	1929.	1930.
Labor.....	\$758,572 75	\$771,624 97	\$747,329 36	\$18,642 19	\$20,256 37	\$30,316 16
Teaming.....	31,971 41	41,305 25	1,536 93			
Supplies and repairs.....	182,525 03	184,839 14	159,141 04	23,058 30	26,110 29	29,437 64
Totals.....	\$973,069 19	\$997,769 36	\$908,007 33	\$41,700 49	\$46,366 66	\$59,753 80

Macadam Streets Oiled — Cost of Labor, Teaming, Oil, etc., Including Supervision, 1930.

Districts.	Area Oiled Once, Square Yards.	Equivalent Mileage, 30-Foot Roadway.	DATES OF OILING.		Total Cost.	Cost per Square Yard Covered Once.	Gallons Used.	Gallons per Square Yard.
			First.	Last.				
South Boston.....	308,107	17.506	April 30	Aug. 1	\$8,001 26	\$0.025	70,075	.2274
Charlestown.....	75,687	4.3	May 14	July 26	2,309 57	.030	16,839	.2224
Brighton.....	103,725	5.89	May 29	Sept. 10	3,566 79	.034	22,080	.2128
West Roxbury.....	306,427	17.41	April 23	Sept. 15	9,824 29	.032	64,710	.2111
Dorchester.....	373,456	21.219	May 2	Sept. 16	11,648 08	.031	82,494	.2208
Roxbury.....	322,614	18.33	May 1	Sept. 6	10,920 65	.033	68,309	.2117
South End and Back Bay.....	69,842	3.968	May 21	Sept. 4	3,732 70	.053	14,710	.2106
Hyde Park.....	234,644	13.332	May 6	Sept. 11	7,335 46	.031	60,931	.2596
Totals.....	1,794,502	101.955	.....	.....	\$57,338 80	.....	400,148	.....
Average.....	.....	.....	.....	.....	.....	\$0.319	.....	.2229

CITY OF BOSTON SANITARY DISTRICTS 1930

3. CHARLESTOWN

POP. 31,663
(37.00)

1590 lbs.
\$3.10

1350 lbs.
\$0.99

2-E. BOSTON

POP. 61,454
(40.00)

10-N. & W. ENDS

POP. 55,985
(83.00)

2046 lbs.
\$4.99

4-BRIGHTON

POP. 56,532
(20.00)

1523 lbs.
\$1.55

1956 lbs. \$5.23

8,9-SO. END & B. BAY

POP. 90,734
(44.00)

1-SO. BOSTON

POP. 61,113
(42.00)

1614 lbs.
\$3.48

7-ROXBURY

POP. 125,520 (60.00)

1490 lbs.
\$2.80

POP. 26,209 (16.00)

1945 lbs.
\$1.20

POP. 151,129 (20.00)
1505 lbs. \$4.02

6-DORCHESTER

POP. 188,433 (35.00)

1212 lbs.
\$1.61

5-WEST ROXBURY

POP. 59,517
(9.00)

1980 lbs.
\$0.9896

HYDE PARK

POP. 24,198 (8.00)

903 lbs.
\$0.79

FIGURES SHOW ESTIMATED
MEAN 1930 POPULATION AND
POP. PER ACRE; ALSO, TOTAL
WEIGHT OF REFUSE AND COST
PER CAPITA FOR THE YEAR.

10,000 FT.

APPENDIX E.

REPORT OF THE DIVISION ENGINEER OF THE
SEWER DIVISION.

BOSTON, January 2, 1931.

MR. JOSEPH A. ROURKE,
Commissioner of Public Works.

DEAR SIR,— I submit herewith statement of the activities and expenditures of the Sewer Division for the year ending December 31, 1930.

During the fiscal year 1930 there were built by contractors, day labor and private parties, 28.77 miles of sewers and surface drains throughout the city.

There was 0.68 mile of sewers and surface drains rebuilt or abandoned, making a net increase for 1930 of 28.09 miles. This, added to the existing 1,068.89 miles of common sewers and surface drains, together with the 30.93 miles of intercepting sewers, makes a grand total of 1,127.91 miles of common and intercepting sewers belonging to the City of Boston and under the care of the Sewer Division on January 1, 1931.

In addition to the sewers belonging to the City of Boston, there are also state or metropolitan sewers located within the city limits, as follows:

North Metropolitan Sewerage System.— 1.653 miles in Deer Island; 5.467 miles in East Boston, and 3.292 miles in Charlestown; a total of 10.412 miles of main line sewers discharging into the harbor at Deer Island.

South Metropolitan Sewerage System.— 1.50 miles in the Back Bay; 6.035 miles in Brighton; 2.87 miles in Dorchester; 4.527 miles in Hyde Park; 1.430 miles in Roxbury, and 7.643 miles in West Roxbury — a total of 24.005 miles of main line sewers discharging into the harbor at Nut Island, all of which belong to the state and are under the control of the Metropolitan District Commission.

All the city sewers in East Boston and Charlestown drain into the North Metropolitan System, and all of

Brighton and Hyde Park and portions of the Back Bay, Dorchester, Roxbury and West Roxbury drain into the South Metropolitan System.

Five hundred and ninety-one (591) catch-basins were built or rebuilt and one hundred and seven (107) abandoned or removed during the year, making a total of 19,519 under the care of the Sewer Division on January 1, 1931, and 7,265 catch-basins and 122 drop inlets were cleaned by contract, the total amount of material removed therefrom being 24,319.42 cubic yards.

One thousand nine hundred and sixty-four (1,964) permits have been issued as follows: 630 to district foremen and contractors for new construction work, and 1,334 permits were issued to drain layers for laying new house drains or repairing old ones.

Entrance fees, amounting to \$7,441.50, have been deposited with the City Collector for collections from the estates upon which no sewer assessment was ever paid, in accordance with the City Ordinances of 1910, chapter 9, section 10.

Four hundred and seventy-eight (478) complaints on flooding and other causes have been investigated, and written reports made thereon, and gasoline and sand traps in 394 garages have been inspected, and notices mailed to owners where defects were found.

Five hundred and sixty (560) hotels and restaurants have been inspected to ascertain the condition of grease traps if found installed.

Plans for the assessment of estates for sewer construction have been furnished to the Board of Street Commissioners, representing 32,574.73 linear feet of sewers and appurtenances, costing \$221,872.03.

Three thousand and ninety-five (3,095) municipal liens have been reported to the City Collector, in accordance with chapter 60, section 23, of the General Laws, and in addition there were six thousand five hundred (6,500) reported upon orally to persons making verbal requests at the Sewer Division office.

Twelve hundred and sixty-six (1,266) notices have been mailed to abutters in conformity with section 8, chapter 9, of the Ordinances of 1910, notifying them of new sewer construction.

The sewerage works constructed in the whole city, together with their cost and other data, are printed in separate tables in this report.

The principal works built, together with those proposed for the coming year, are as follows:

CITY PROPER.

Sewers were constructed in Medford street and in Troy street, and an overflow across Charles street at Poplar street in advance of permanent street pavement. Also sewers were built in Alley 525 and Alley 526, and in Harrison avenue and Knapp street in place of sewers which were inadequate and broken down.

Sewerage works are recommended in Charles street, between Cambridge and Leverett streets, in connection with the widening of that thoroughfare; also in Clinton street, Alley 453, and outlet in Cumberland street; Beacon street, near Brimmer street; Alley 521 (parallel to and southwest of West Canton street); Salem street, between Cross and Stillman streets, and the extension of the Nashua street overflow.

ROXBURY.

Sewerage works were built in Holworthy street, Waumbeck street, Jersey street and South Huntington avenue in advance of permanent street construction; in Basswood street, Cranford street, Floydell street and Segel street, on account of these streets having been made public; and in Alley 801, Alley 817 and Lafayette park to improve the drainage conditions.

Sewerage works are recommended in Albany street at Hampden street, Regent street and Regent court, Codman park and outlet in private land, and in Parker Hill avenue, from Mission street to the summit, to improve the present drainage conditions by either rebuilding or new construction; and in Public Alleys 808 and 808A, Arcola street and Delle avenue prior to street construction under chapter 393 of the Acts of 1906.

SOUTH BOSTON.

The widening of Summer street, between East Broadway and the Reserved channel, and the transfer of a part of E street and Fargo street from the Commonwealth to the city, resulted in sewerage works being built in these streets in advance of their construction.

Sewerage works are recommended in Summer street, between C street and the Reserved channel, and in

Northern avenue, between Commonwealth Pier and Fort Point channel, in advance of street repavement; and in Preble street, between Dorchester avenue and Old Colony avenue, in advance of street widening and construction; and in K street, between Elkins and Power streets, on petition of the abutters.

EAST BOSTON.

Sanitary sewers were built in Gladstone street and Maverick street, in response to petitions of abutters.

Surface drains were built, in advance of street construction, in Teragram street, Lillian street and St. Edward road.

Minor improvements were made in other streets.

Recommendations for 1931 include a sanitary sewer and surface drain in Orient avenue, in response to petition, and sewerage works, in advance of street construction, in Gladstone street and McKay place.

CHARLESTOWN.

Petitions by abutters brought about the building of sanitary sewers in Wallace court and Monument court.

The sewer in North Mead street was extended, in advance of street construction.

Minor improvements of the existing system were made in Bunker Hill street previous to the repaving of the street.

Replacement of the old private sewer in North Mead street and the rebuilding of old sewers in Chestnut street and other streets is recommended.

BRIGHTON.

Permanent street pavement required sewers and surface drains in Warren street and Winship street.

Newly accepted streets under chapter 393 of the Acts of 1906 included Harriet street, South Crescent circuit, South Hobart street, Melvin avenue, Rogers Park avenue, Burton street, Bellamy street, Donnybrook road, Corinne road and South Waverly street, in which sewers and surface drains were built in advance of construction.

The widening of North Harvard street necessitated the building of a considerable length of sewers and surface drains.

On petition of abutters, sewers were built in Foster street, private land, Wiltshire road, Portina road, Hatherley road, Chestnut Hill avenue and Sanderson place.

Minor improvements were made in the sewer system in many other streets.

Included in the sewerage works recommended for 1931 are sanitary sewers petitioned for in Sanderson place, Brock street, Foster street, Colonial road, Franklin street, Chiswick terrace and Kilsyth road; and surface drains and appurtenances in advance of street construction in Carol avenue, Corey road, Jordan street, Harvester street, Western avenue, Goodenough street and Barker street.

WEST ROXBURY.

Petitions by abutters were answered by the construction of sewers and surface drains in about eighty streets in all parts of the district, including several groups of streets in the Germantown, Weld Park, Roslindale and Jamaica Plain sections.

A 24-inch pipe sanitary sewer (section 2 of the Weld park outlet) was built in the West Roxbury Parkway and Parkvale road, between Centre street and the Brookline line.

Sewerage works in advance of street construction under chapter 393 of the Acts of 1906 were built in Hemlock street, Park street, Stratford street, Robin street, Schirmer road, Plainfield street, Firth road, Arborough road, Sidley road, Ardmore road, Granfield avenue, Wycliff avenue, Lasell street, Brier road, Alhambra road, Franklin Hill avenue, Cerdan avenue, Navarre street, Wellsmere road and Weld street.

The Dent Street brook, so called, was extended by the construction of a 5-foot 6-inch by 5-foot concrete conduit in Alder street, Keith street and private land to beyond Lasell street.

A complete surface drain, 2 feet 3 inches in diameter, was extended through Billings field to Bellevue street.

A section of Stony brook conduit, to be extended across the New York, New Haven & Hartford Railroad and Hyde Park avenue to a point near Florence street, was begun in November. The conduit is of reinforced concrete, 15 feet by 13 feet in dimensions, and will be completed in 1932.

Recommendations for 1931 include sewerage works petitioned for in Hinsdale road, Edgemere road, Schortmann terrace, Baker street, Baker place, Amesbury street, Berwick street, Cushing Street, Durant street, Prentiss road, Eastbourne street, Westbourne street, West Roxbury Parkway, Bonair street, Dwinell street, Lyall street and other streets.

Sewerage works, in advance of street construction, surface drains and appurtenances, should be built in Pender street, Knoll street, Glade avenue, Glenside street, Glen road, Gartland street, Shurland street, Goodrich road, Grovenor road, Hayes road, Greenley place, Chilcott place, St. Peter street, Beecher street, Boylston street, Colberg avenue, Temple street and other streets in preparation for acceptance under chapter 393 of the Acts of 1906.

DORCHESTER.

The work started last year for the improvement of Savin Hill bay has progressed favorably this year. Sections 1 and 3 started in the last calendar year has been carried to completion this year, and sections 4 and 5 have been awarded this year, of which section 4 has been completed. Work on section 5 will be started at once. Section 2 will be carried forward in 1931.

To provide for street construction under chapter 393 of the Acts of 1906 sewers and surface drains have been built in the following streets: Lauriat street, Devon street, Rhoades street, Goodale road, Strathcona road, Brent street, Melbourne street, Joseph street, Ormond street, Westmoreland street, Cushing Hill road, Wilrose street and Greenfield road.

Permanent street pavement work required the building of sewers and surface drains in River street, between Mattapan square and Standard street, Cummins Highway; between Richmond road and Rockdale street,

Frontenac street, between Lucerne street and Blue Hill avenue, Livingston street, between Lucerne street and Blue Hill avenue.

On petition of property owners, sewers were constructed in Victoria road, Bushnell street, Fredonia street, Manchester street, Rosslerin street, from Gustine street 225 feet east, Pleasant Hill avenue, Gallivan Boulevard, north side, near Vera street, Gallivan Boulevard, south side, between Washington street and Pleasant Hill avenue, Arbella road, Cemetery lane, Outlook road, Old Colony terrace and Rosslerin street, from Train street westerly.

For various reasons sewers were built or new sewers constructed under general work in Mt. Vernon street, Welles avenue, Eastman street, between Elder street and Columbia road, Sydney street, near Crescent avenue, Wales street, Hamilton street, between Coleman street and Bowdoin street, and Old Colony Parkway, near Old Colony terrace.

Savin Hill bay should be pushed to completion next year and the sewers and surface drains should be constructed in Morton street, between Druid street and the Gallivan Boulevard. Sewers and surface drains constructed in Butler street, Bearse avenue, Franconia street, Saranac street, Charlemont street and South Munroe terrace.

HYDE PARK.

To provide for street construction under chapter 393 of the Acts of 1906 surface drains have been constructed in Seminole street.

Permanent street pavement work required the construction of sewerage works in the following streets: East Milton street, between Hyde Park avenue and Draper road, Hyde Park avenue, from Mother brook to Wolcott square.

By petitions sewers were constructed in a section of Clifford street, Chester street, from East Milton street to Stanley street, Washington street, Garfield street to Dana avenue, part of Summer street, Huntington avenue, from Collins street 700 feet southeast, Farrar avenue, from Wood avenue to Summit street, Page street, Norris road, Belnel road, Hopewell road, Friendship road and Coronado road.

Under the general work the department constructed sewerage works in Water street, Garfield street to Dana avenue, Huntington avenue, between River street and Jefferson street, Mason street, Wood avenue, between River street and Frazer street, Frazer street, from Wood avenue 200 feet south.

Contracts have been let for the building of sewers in the Grew subdivision and work will proceed at once.

Sewerage works are proposed for the next year in Business street and Barry street.

It is recommended that surface drains be extended in the Fairmount section in Fairmount avenue and Beacon street.

CALF PASTURE PUMPING STATION.

Dismantling and removal of No. 3 pump and engine, new 40 m. g. d. electrically driven centrifugal pump contracted for to replace it, bar screens for No. 3 cross gallery, electric heaters for switch house, periodic cleaning of No. 1 and No. 2 wells, 10,000 cubic yards dredging, new boiler feed water heater connected and new louvers in main building, were the principal items of work done at the pumping station.

It is recommended to provide vertical bar screens with mechanical rakes in place of downstream cages at filth hoist, place motor driven sluice gates on the main pump galleries, provide new centrifugal pump to draw from No. 4 well, place four new wire glass windows opposite new switch board, repair main roof, provide link wire fence at west end of lot, provide platforms, railings and stairways for No. 3 pump, repair gate at south end of No. 3 cross gallery, and provide new sludge removal facilities for deposit sewers.

UNION PARK STREET PUMPING STATION.

It is recommended to provide mechanical rakes for screens and a new larger sump pump.

FENS GATE HOUSES.

Motor and operating mechanism was repaired. New conduit wiring, overhauling of gate machinery and new gates in by-pass is required.

MOON ISLAND.

Repairs to buildings and roadways were made. It is recommended that a temporary plank walk be built in the long gate house, the chimney be taken down and repaired, the garage enlarged, the building at east shaft be removed, the shaft encased in concrete, riprap placed and grading done, repair doors and windows and place new floor at junction chamber and provide electricity for light and power at the gate house.

Respectfully submitted,

THOMAS F. BOWES,
Division Engineer.

SEWER DIVISION.

The work of the Sewer Division is carried on under chapters 27 and 39, Revised Ordinances of 1925 and the following statutes:

Chapter 426, 1897, as amended by 450, 1899, and 268, 1903.

Chapter 283, 1903, as amended by 464, 1907.

Chapter 550, 1907.

Chapter 424, 1908.

Chapter 514, 1908.

Chapter 74, Special Acts of 1918.

THE DUTIES OF THE SEWER DIVISION.

1. Preparation of plans for sewerage works.
2. Construction and maintenance of all sewerage works.
3. Investigation of complaints in regard to defective drainage.
4. The granting of permits for sewer construction.
5. The preparation of plans for the assessment of the cost of sewer construction.
6. The examination of the plans of other corporations proposing to construct work in the public streets with reference to their probable interference with sewerage works.

Total number of permanent employees on pay roll December 31, 1929	347
Total number of permanent employees on pay roll December 31, 1930	327
Total amount of weekly pay rolls for week ending December 31, 1929	\$14,423 20
Total amount of weekly pay rolls for week ending December 31, 1930	\$13,458 86
Total amount of monthly pay roll week ending December 31, 1929	\$100 00
Total amount of monthly pay roll week ending December 31, 1930	\$100 00
Total amount of monthly pension roll December 31, 1929:	
Veterans	\$6 00
Laborers	\$60 00

Total amount of monthly pension roll December 31, 1930:

Veterans	\$94 50
Laborers	\$60 00

Average weekly pay roll, including monthly roll and exclusive of pension roll, for fiscal year charged as follows:

Maintenance	\$7,584 61
Construction	\$6,805 68

Average number of permanent employees	341
---	-----

Number of men on pension roll December 31, 1929:

Veterans	1
Laborers	2

Number of men on pension roll December 31, 1930:

Veterans	1
Laborers	2

Rate of wages paid to common laborers per diem,	\$5 00
---	--------

Financial Statement from January 1, 1930, to December 31, 1930.

OBJECT.	Balance on Hand Jan. 1, 1930.	Appropriations, Loans and Revenues.	Transfers to	Transfers from	Total Credits.	Expenditures during the Year 1930.	Balance on Hand Dec. 31, 1930.
Sewer Service.....	.....	\$757,678 70	.....	.....	\$757,678 70	\$693,107 93	\$64,570 77
Sewerage Works	\$152,201 73	1,273,817 68	.....	.....	1,426,019 41	1,178,638 10	* 247,381 31
Savin Hill Bay Sewerage Works, etc.....	166,431 31	150,000 00	.....	.....	316,431 31	245,197 68	† 71,233 63
Totals.....	\$318,633 04	\$2,181,496 38	.....	.....	\$2,500,129 42	\$2,116,943 71	\$383,185 71

* \$300,000 authorized but not issued.

† \$140,000 authorized but not issued.

MAINTENANCE EXPENDITURES JANUARY 1, 1930, TO DECEMBER 31, 1930.

SEWER DIVISION.

Improved Sewerage.

Pumping Station, Calf Pasture, inside	\$123,786 50	
Pumping Station, Calf Pasture, outside	25,705 13	
Pumping Station, Calf Pasture, engines	47,793 50	
Pumping Station, Calf Pasture, boilers	21,799 22	
Pumping Station, Union Park street	9,067 59	
Pumping Station, Summer street	2,320 65	
Pumping Station, Hyde Park	1,928 22	
		\$232,400 81
Moon Island		26,036 27
Main and intercepting sewers		27,861 90
		\$286,298 98

Miscellaneous Charges.

Maintenance, Stony brook		\$2,189 35
Cleaning catch-basins		108,794 56
Yards and lockers		725 46
Employed at yards		41,487 74
Automobiles	\$75,602 12	
Teaming	7,255 08	
	\$82,857 20	
Less amount earned by teams and auto trucks,	63,951 19	
		18,906 01
Cleaning sewers		93,197 32
Office salaries		35,777 51
Office expense		2,360 03
Repairing department buildings	\$445 21	
Repairing catch-basins, South Boston	6,384 67	
Repairing catch-basins, East Boston	1,683 83	
Repairing catch-basins, Charlestown	699 09	
Repairing catch-basins, Brighton	1,900 45	
Repairing catch-basins, West Roxbury	4,825 54	
Repairing catch-basins, Dorchester	7,096 67	
Repairing catch-basins, Hyde Park	676 78	
Repairing catch-basins, Roxbury	5,971 64	
Repairing catch-basins, City Proper	8,343 81	
Repairing sewers, South Boston	2,104 70	
Repairing sewers, East Boston	1,604 14	
Repairing sewers, Charlestown	687 97	
Repairing sewers, Brighton	1,176 20	
Repairing sewers, West Roxbury	3,813 45	
Repairing sewers, Dorchester	7,026 16	
Repairing sewers, Hyde Park	1,159 46	
Repairing sewers, Roxbury	3,513 31	
Repairing sewers, City Proper	3,699 97	
		62,813 05
Monthly roll		225 00
Pension roll (veterans)		626 50
Carried forward		\$653,401 51

<i>Brought forward</i>	\$653,401 51
Pension roll (laborers)	653 63
Annuities and pensions	87 75
Fuel and oil	1,155 61
Hardware and tools	5,027 91
Sundries and miscellaneous charges	35,927 20
Telephones	520 96
House connections	10,138 07
Rubber goods	551 85
Gate house, Back Bay Fens	3,410 02
Stock	13,504 11
	\$724,378 62

Credit.

Stock transferred and used in construction	31,270 69
	\$693,107 93

1930 Charges to Various Parties for Work Done and Material Furnished, Etc.

Checker Taxi Company	\$15 00
Town of Brookline	10,000 00
Hurley & Driscoll	9 86
H. J. Weymouth	13 12
H. E. Cline	22 88
Graham-Paige	24 18
Leo J. Nawn	46 02
A. J. Tomasello	7 60
Edison Electric Illuminating Company	59 05
A. Hermanavicius	8 00
Waldorf Restaurant	22 88
Leon Savzznski	17 50
Thomas F. Galvin	8 00
Doctor Jones	15 25
H. F. Smith	4 39
Metropolitan District Commission	447 30
Katherine Jones	15 00
Checker Taxi Company	15 00
D. W. Huntley	15 00
J. E. Stewart	15 00
V. Grandino	4 39
B. F. Doyle	10 00
F. P. Davis	50 00
A. Tomasello	114 43
North Station Parker Building	20 00
Checker Taxi Company	30 00
First National Furniture Company	15 00
H. Siskin	15 00
Hanover Smoke Shop	15 00
G. Balkingian	15 00
Metropolitan District Commission	11,998 37
DeCristofaro Brothers	35 08
S. Marciano	11 63
Ye Brass Rail Company	15 00
Humboldt Garage	15 00
Hurley & Driscoll	15 00
Metropolitan District Commission	12,500 00
J. H. Sullivan	136 00
C. Russo	99 19
<i>Carried forward</i>	\$35,895 12

Brought forward	\$35,895 12
V. Vartikian	15 00
Checker Taxi Company	15 00
P. Bolonsky	15 00
G. P. Barnes	15 00
Rush & Co.	15 00
S. Role	15 00
F. P. Gately	6 25
W. A. McPherson	24 66
I. Ruby	180 00
Beth Hamirosh Shari	60 00
W. J. Connell	15 00
C. E. Fitzgerald	15 00
C. Caspanelli	15 00
F. P. Gately	15 00
S. Goldberg	15 00
F. J. Horgan	15 00
Meredith & Grew	15 00
Metro-Goldwyn	15 00
Hurley & Driscoll	8 75
J. A. Bectoff	4 97
I. E. Wagner	4 22
Browning & Riley	37 88
Mayflower Creamery	15 00
J. Burke	15 00
G. Sulprizo	15 00
Total	\$36,476 85
Uncollected	24 50
	\$36,452 35
Bills of 1929 paid 1930	61 66
Total amount collected	\$36,514 01
Entrance fees charged and collected in accordance with Ordinances of 1927, chapter 27, section 10	\$7,441 50

Sewer Division.— Maintenance Expenditures, Detail, 1930.

ACCOUNTS.	Total Expendi- tures.	Labor.	Teaming.	Autos.	Stock.	Contracts.	Miscellaneous.
Automobiles.....	\$75,602 12	\$35,230 42	.....	.....	.....	.....	Repairs..... \$11,517 05 Equipment..... 19,333 46 Supplies..... 5,552 32 Fees..... 89 50 Storage..... 3,879 37 \$40,371 70
Cleaning catch-basins.....	108,794 56	40,089 46	\$4,159 25	\$28,293 25	\$2 75	\$36,239 60	Advertising..... 10 25
Cleaning sewers.....	93,197 32	42,263 36	506 00	15,286 18	.....	34,936 69	Advertising..... \$34 75 Stock..... 102 09 Dumping..... 68 25 205 09
Employed at yards.....	41,487 74	41,487 74	.....	.....	.....	.....	.....
Fuel and oil.....	1,155 61	.....	.....	.....	.....	.....	Coal..... \$853 74 Gasoline and oil..... 298 99 Miscellaneous..... 2 88 1,155 61
Hardware and tools.....	5,027 91	.....	.....	.....	.....	.....	Hose..... \$1,459 28 Hardware and tools..... 3,276 10 Repairs and tools..... 292 03 Miscellaneous..... 50 5,027 91
House connections.....	10,138 07	10,009 00	.....	19 88	37 65	70 82	Miscellaneous..... 72
Horses, carts, harnesses.....	7,255 08	5,995 88	.....	.....	.....	.....	Stable goods..... \$40 69 Repairs, harnesses and wagons..... 73 05 Shoeing..... 404 00 Hay, grain, etc..... 741 46 1,259 20
Maintenance, Stony brook.....	2,189 35	1,851 46	.....	337 89	.....	.....	.....
Office expense.....	2,360 03	.....	.....	.....	.....	.....	Stationery, etc..... \$1,782 48 Miscellaneous..... 577 55 2,360 03

Sewer Division.— Maintenance Expenditures, Detail, 1930.— Concluded.

ACCOUNTS.	Total Expendi- tures.	Labor.	Teaming.	Autos.	Stock.	Contracts.	Miscellaneous.
Office salaries.....	\$35,777 51	\$35,777 51					
Rubber goods.....	551 85						Boots.....\$324 11 Mitts.....71 57 Coats.....130 74 Hats.....24 93 Repairs.....50
							\$551 85
Stock.....	13,505 11	1,936 24			\$11,568 87		
Yard and locker.....	725 46		\$81 25	\$99 38			Gas and electricity.....\$150 78 Miscellaneous.....394 05
							544 83
Telephones.....	520 96						520 96
Back Bay Fens, gatehouses.....	3,410 02	2,140 16					Electricity.....\$956 64 Repairs, etc.....313 22
							1,269 86
Sundries.....	36,152 20						Veterans.....\$125 00 Medical inspections.....100 00 Workingmen's Compensa- tion.....1,165 71 Garage trap, inspection, Snow removal.....1,030 61 Repairs, etc.....47 00 Repairs streets.....2,877 62 Vacations and holidays, sick, temporary absence, Miscellaneous.....29,471 52 1,334 74
							36,152 20
Repairing department buildings.....	445 21	215 75			218 40		Miscellaneous.....11 06
Repairing catch-basins, South Boston..	6,384 67	2,390 89	260 01	410 76	3,267 61	\$54 40	Miscellaneous.....1 00
" " East Boston...	1,683 83	700 21	380 25		603 37		
" " Charlestown...	699 09	252 00	100 75		228 35	117 99	

"	"	Brighton.....	1,900 45	911 81	.....	153 28	541 08	294 28	
"	"	West Roxbury,	4,825 54	2,226 34	.....	821 03	1,778 17		
"	"	Dorchester....	7,096 67	4,341 85	.....	722 18	2,032 64		
"	"	Hyde Park....	676 78	278 50	.....	76 21	179 25	142 82	
"	"	Roxbury.....	5,971 64	2,591 75	386 75	440 59	2,372 62	177 18	Miscellaneous..... 2 75
"	"	City Proper...	8,343 81	3,244 77	521 64	592 97	3,977 68	.....	Miscellaneous..... 6 75
Repairing sewers, South Boston.....									
"	"	East Boston.....	1,604 14	540 38	201 50	.....	218 36	643 90	
"	"	Charlestown.....	687 97	342 00	136 50	.....	209 47		
"	"	Brighton.....	1,176 20	811 24	.....	155 70	209 26		
"	"	West Roxbury.....	3,813 45	2,235 34	.....	723 88	654 23	200 00	
"	"	Dorchester.....	7,026 16	5,021 44	.....	636 02	808 70	560 00	
"	"	Hyde Park.....	1,159 46	523 44	.....	251 53	384 49		
"	"	Roxbury.....	3,513 31	2,443 19	167 38	344 51	547 48	.....	Miscellaneous..... 10 75
"	"	City Proper.....	3,699 97	1,749 88	305 51	420 70	1,221 63	.....	Miscellaneous..... 2 25
Annuities..... 87 75									
Pensions, veterans and laborers.....									
..... 87 75									
Less Credits.									
Laborers..... \$40,047 36									
Teams..... 1,277 87									
Autos..... 35,572 22									
Stock..... 18,324 43									
Totals..... \$89,552 50									

MISCELLANEOUS ACCOUNT, DETAIL.

Labor.

Vacations	\$15,111 83	
Sick leave	2,461 75	
Workingmen's compensation . .	1,008 00	
Miscellaneous:		
Inspection — Complaints: Defec-		
tive drainage, prevention of		
gasolene entering common		
sewers.		
General engineering	1,030 61	
		\$19,612 19
Transportation		1,033 79
Repairing streets		2,162 71
Miscellaneous		149 00
		<u>\$22,957 69</u>

Sewer Division.— Maintenance Expenditures, Detail, 1930.

ACCOUNTS.	Totals.	Labor.	Contractors.	Teams.	Autos.	Waste.	Cleaning Wells.	Grease, Oil and Gasolene.	Fuel and Power.	Stable Hay and Grain.	Pack Valves.	Repairs.	Miscellaneous.
Pumping station, Calf Pasture:													
Inside.....	\$123,786 50	\$36,633 87	.....	.....	.....	\$47 40	\$8,818 95	\$182 50	\$69,854 08	.....	\$710 01	.....	\$7,539 69
Outside.....	25,705 13	19,367 39	.....	.....	.....	.....	.....	30 34	.....	\$527 53	.....	.....	23 35
Engines.....	47,792 50	41,527 96	.....	.....	.....	471 36	.....	1,523 53	.....	.....	196 98	.....	4,072 67
Boilers.....	21,799 22	20,148 14	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$470 25	1,180 83
Union Park street.....	9,067 59	6,911 22	.....	\$35 75	\$36 45	.....	.....	.....	1,971 30	.....	.....	.....	112 87
Summer street.....	2,320 65	1,481 68	.....	.....	.....	.....	.....	.....	712 37	.....	.....	126 60	
Hyde Park.....	1,928 22	1,821 84	.....	.....	.....	.....	.....	.....	106 38				
Moon Island.....	26,036 27	23,431 52	.....	.....	.....	.....	.....	.....	703 03	.....	.....	.....	1,901 72
Main and intercepting sewers.....	27,861 90	17,289 14	362 60	26 00	7,812 77	.....	.....	.....	.....	.....	.....	1,029 85	1,341 54
Totals.....	\$286,297 98	\$168,612 76	\$6,119 12	\$61 75	\$7,849 22	\$518 76	\$8,818 95	\$1,736 37	\$73,347 16	\$527 53	\$906 99	\$1,626 70	\$16,172 67

Recapitulation — Maintenance Detail, 1930.

	Improved Sewerage.	Outside Improved Sewerage.	Totals.
Labor.....	\$168,612 76	\$278,463 54	\$447,076 30
Contracts.....	15,534 92	73,599 46	89,134 38
Teaming, hired and city.....	61 75	7,340 05	7,401 80
Waste.....	518 76	.....	518 76
Fuel and power.....	73,121 84	956 64	74,078 48
Oil and gasolene.....	1,546 13	4,921 47	6,467 60
Packing.....	602 78	.....	602 78
Valves.....	304 21	.....	304 21
Horses, etc.....	527 53	7,255 08	7,782 61
Pipe fittings and miscellaneous.....	14,831 13	.....	14,831 13
Telephones.....	237 72	520 96	758 68
Automobiles, repairs and supplies.....	7,849 22	50,204 44	58,053 66
Stock supplies and miscellaneous.....	2,549 23	78,770 19	81,319 42
	\$286,297 98	\$502,031 83	\$788,329 81
CREDITS.			
	Improved Sewerage.	Outside Improved Sewerage.	
Autos — teamsters .	\$7,910 97	\$65,678 45	
Stock	1,029 85	20,602 61	
	\$8,940 82	\$86,281 06	
	8,940 82	86,281 06	95,221 88
Totals.....	\$277,357 16	\$415,750 77	\$693,107 93

SUPPLIES AND FUEL, ENTIRE SERVICE.

Supplies.

- 2,332 pounds grease, 18 cents.
- 3,472 pounds waste, 11 to 15 cents.
- 946 pounds cotton rags, 15 cents.
- 4,590.5 gallons engine oil, 19.3 cents.
- 1,034.7 gallons cylinder oil, 27.5 cents.
- 2 gallons air cylinder oil, 80 cents.
- 54½ gallons sperm oil, \$1.15.
- 211.3 gallons turbine oil, 49.5 cents.
- 10 gallons lard oil, \$1.75.
- 2,315 gallons kerosene oil, .07¾ to 11 cents.

Fuel.

- 1,027,250 gallons fuel oil, \$34,327.09.
- 137.82 tons anthracite, \$1,671.46.

Cleaning Catch-basins, 1930.— (By Contract.)

DISTRICTS.	Contractor.	Start and Finish of Work.	Price per Cubic Yard.	Cubic Yards Exca- vated by Contractor.	Contractor Received by Districts.	Total Catch-basins Cleaned.	Total Drop Inlets Cleaned.	Average Cubic Yards per Basin.	Total Cost of Inspection.	Average Total Cost to City per Basin, Including Drop Inlets.
1. City Proper.....	D. W. Norton.....	{ April 5, 1930 Dec. 13, 1930 }	\$1 54	8,962.20	\$13,801 78	2,819	52	3.17	\$2,899 44	\$5 92
2. Roxbury North.....		{ April 5, 1930 Dec. 13, 1930 }								
2A. Roxbury South.....	D. W. Norton.....	{ April 5, 1930 Dec. 13, 1930 }	1 78	3,512.58	6,252 44	974	9	3.60	1,449 72	7 83
3. South Boston.....	M. E. Doyle Company.....	{ April 10, 1930 July 19, 1930 }	1 75	2,801.17	4,902 05	795	18	3.52	583 04	6 72
4. Charlestown and East Boston....	W. G. C. Company.....	{ April 9, 1930 July 12, 1930 }	1 80	{ 1,465.31 1,692.08 }	{ 2,637 56 3,045 74 }	{ 414 490 }	{ 3 8 }	{ 3.55 3.45 }	{ 437 28 437 28 }	{ 6 68 6 68 }
5. Dorchester and Hyde Park.....		{ April 15, 1930 Dec. 6, 1930 }		{ 5,150.51 685.54 }	{ 8,320 82 1,096 87 }	{ 1,488 240 }	{ 26 2 }	{ 3.46 2.85 }	{ 1,311 84 1,311 84 }	{ 6 11 6 11 }
Totals.....	.....	.....	.....	24,269.39	\$40,057 26	7,220	118	.....	\$6,681 32	

Total catch-basins cleaned.....	7,220	Total cost: Contractors.....	\$40,057 26
Total drop inlets cleaned.....	118	Inspection.....	6,681 32
		Advertising.....	10 25
			<u>\$46,748 83</u>

Total cubic yards material removed, 24,269.39.
Average cost per basin, including drop inlets, \$6.65.

Average cubic yards material removed per basin,
Average cost per cubic yard removed,

Sewerage Works.

ACCOUNTS.		Labor.	Autos.	Teams.	Materials.	Miscellaneous.	Paid to Contractors.	Totals.
Engineers' salaries.....		\$118,967 75						\$118,967 75
Engineers' expense.....		13,568 55	\$266 79	\$453 14	\$95 61	\$3,214 63	\$4,453 46	22,051 88
Sundries.....		452 41	26 50	13 00	198 40		1,949 60	2,639 91
Stock.....					196 18			196 18
Land-takings.....						838 90		838 90
Pumping station, bar screens, No. 3 pumps.....		62 46						62 46
Pumping station, remove parts, No. 3 pumps.....		742 14				8 50	5,245 35	5,995 99
Pumping station, new motor-driven pump.....		379 72				34 15		413 87
Pumping station, cleaning No. 3 well.....		17 26					1,467 95	1,485 21
Release sewers.....		1,255 02						1,255 02
Repair streets.....					77 23		4,843 57	4,920 80
New manholes.....		18,684 78	2,168 02	611 85	6,749 92	180 25	12,830 60	41,225 42
New catch-basins, South Boston.....		4,691 82	659 17	74 76	1,459 80	26 25	4,818 27	11,730 07
New catch-basins, East Boston.....		196 70			289 25		1,641 60	2,127 55
New catch-basins, Charlestown.....		24 11			10 80			34 91
New catch-basins, Brighton.....		4,336 23	407 45	52 00	1,067 21	4 50	391 48	6,258 87
New catch-basins, West Roxbury.....		3,861 29	425 77	39 75	1,392 38		1,775 66	7,494 85
New catch-basins, Dorchester.....		10,282 23	1,258 80		3,064 15	22 77	9,433 23	24,061 18
New catch-basins, Hyde Park.....		1,612 03	228 58		814 95		300 00	2,955 56
New catch-basins, Roxbury.....		13,063 11	1,699 14	224 52	5,259 35	100 25	8,020 86	28,367 23
New catch-basins, City Proper.....		3,505 99	510 15	151 13	1,030 32	44 50	3,435 42	8,677 51
Holiday.....		3,080 62						3,080 62
Sewers built in entire city.....		\$198,784 22	\$7,650 37	\$1,620 15	\$21,705 55	\$4,474 70	\$60,606 75	\$294,841 74
Totals.....		70,846 05	197 50	107 26	39,713 24		772,932 31	883,796 36
Totals.....		\$269,630 27	\$7,847 87	\$1,727 41	\$61,418 79	\$4,474 70	\$833,539 06	\$1,178,638 10

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
SOUTH BOSTON. E street and Fargo street.....	Sept. 26, 1930	Nov. 15, 1930	A. Grande.....	428.49 244.40 362	15" D. S. pipe, sewer..... 12" pipe, surface drains. Pipe, minor drain. 7 manholes. 14 catch-basins, 3 D. I.	\$10,496 11
	Oct. 19, 1930	Nov. 15, 1930	John Williams.....	652.54 89.80 674	12" pipe, sewer..... 10" pipe, sewer. Minor drain. 8 manholes. 4 catch-basins.	4,785 24
	Oct. 8, 1930	Nov. 20, 1930	J. F. Kennedy Company...	344.75 438	15" D. S. pipe, sewer..... Minor drain. 14 catch-basins. 3 manholes.	10,188 19
EAST BOSTON. Gladstone street and Milton street.....	July 11, 1929	Aug. 12, 1929	Louis Balboni.....			134 23
	Sept. 20, 1928	Nov. 1, 1928	A. DeStefano & Sons.....			160 87
	March 25, 1930	April 26, 1930	N. Sannella.....	565.35 284.09 5 121	12" pipe, surface drain..... 10" pipe, surface drain. 12" overflow. Minor drain. 5 manholes.	2,903 92
Teragram street, Lillian street and Austin avenue.	Aug. 19, 1930	Oct. 2, 1930	D. V. Construction Com- pany.	854.35 501	10" S. D., pipe sewer..... Minor drain. 5 manholes. 4 catch-basins.	4,205 91
	May 18, 1928	Aug. 23, 1928	Department of Labor.....			109 35

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.— Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
CHARLESTOWN.— <i>Continued.</i>						
Gladstone street, Maverick street (East Boston), Monument court and outlets in alleys, Wallace court and Bunker Hill street (Charlestown).	July 1, 1930	Sept. 11, 1930	Louis Balboni.....	352 906.40	Pipe minor drain..... 14 manholes. 5 catch-basins. 12" pipe, sewer.	\$10,416 14
North Mead street (Charlestown), Corinne road (Brighton), Alhambra street (West Roxbury).	Nov. 1, 1930	Dec. 4, 1930	Louis Balboni.....	160.72 456.40 507.41 35.84 156	10" pipe, sewer..... 10" pipe, surface drain. 12" pipe, surface drain. 12" pipe, sewer. Minor drain. 11 manholes. 6 catch-basins.	5,002 83
BRIGHTON.						
Brayton road, from Breck avenue to Newton line and outlet in Brayton way.	June 10, 1929	Aug. 16, 1929	John Williams.....		3 drop inlets..... 4 catch-basins.	279 11
Private land, Hano street and Cambridge street.	Sept. 9, 1929	Jan. 9, 1930	Joseph Todesca.....	774.98 138.35	Underdrain..... Minor drain 11 manholes.	5,075 83
Kendrick street, Brock street and Linden street.	June 6, 1929	Aug. 24, 1929	T. J. O'Connell.....			214 82
Washington street, between Commonwealth avenue and Monastery road.	June 24, 1929	Aug. 12, 1929	V. Barletta.....			529 41
Vinal street, between Woodstock avenue and Allston street.	July 2, 1929	July 22, 1929	C. Russo.....			136 82
Chiswick road, between Englewood avenue and Braemore road.	Aug. 7, 1929	Sept. 3, 1929	Leo J. Nawn, Inc.....			221 04
Lynce road, from Union street 270 feet southwesterly.	Sept. 18, 1929	Oct. 19, 1929	J. J. Conway & Co.....			88 13
Warren street, between Cambridge street and Monastery road.	Aug. 8, 1929	Oct. 22, 1929	C. Russo.....			690 97

Ryder Hill road, between Brayton road and 190 feet southerly.	Sept.	20, 1929	Oct.	1, 1929	Louis Balboni.....	.....	49 87
Trapelo street and Willoughby street.....	Sept.	3, 1929	Oct.	8, 1929	N. DiBartolomeo Company	.....	186 30
Warren street and in Corey road and Jordan road.	Sept.	9, 1929	Nov.	2, 1929	A. Cefalo.....	36 Minor drain..... 8 manholes.	650 66
Bostonia avenue, from Breck avenue about 940 feet easterly.	Sept.	23, 1923	Oct.	16, 1929	A. Piatelli & Co.....	.....	146 51
Bellamy street, from Burton street to Matchett street.	Nov.	12, 1929	Dec.	18, 1929	M. F. Gaddis.....	.....	491 08
Harriet street, from Faneuil street to Parsons street.	March	17, 1930	May	20, 1930	John F. Kennedy & Co.....	1,294.25 25.80 457 433 24" D. S. pipe, surface drain..... 12" S. S. pipe, surface drain. Underdrain. Minor drain. 8 manholes. 9 catch-basins.	10,075 56
Private land, between Commonwealth avenue and Boston & Albany Railroad to 600 feet west of Essex street.	Jan.	8, 1930	March	1, 1930	Domenico Vozzella.....	146.80 15 18" pipe, sewer..... 10" pipe, sewer. 2 manholes.	3,106 83
Foster street, private land, Wiltshire road, Portina road, Hatherley road and Chestnut Hill avenue.	March	28, 1930	June	30, 1930	A. Piatelli & Co.....	604.15 1,597.05 100 1,220 99 12" pipe, sewer..... 12" pipe, sewer, including 1,675.35' 24" and 18" pipe, surface drain. 24" D. S. pipe, surface drain. Underdrain. Minor drain. 26 manholes.	18,452 54
South Crescent Circuit, from Beach street easterly.	March	24, 1930	April	21, 1930	John Williams.....	975.70 218.3 10" pipe, surface drain..... Minor drain. 6 manholes. 8 catch-basins.	5,501 46
Warren street, from Monastery road to Allston street.	April	23, 1930	June	10, 1930	DeCristofaro Brothers Company.	 539.52 5 catch-basins..... 10" pipe, sewer, including 526.60' 12" earthen C. I. pipe, surface drain. 24" D. S. pipe, surface drain. 15" pipe, surface drain. 12" pipe, surface drain. Minor drain. 16 manholes.	16,329 26

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.— Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
BRIGHTON.— <i>Continued.</i>						
Commonwealth avenue, from Sutherland road to 300 feet easterly.	June 10, 1930	Aug. 23, 1930	Cook Construction Company.	293.35 15	12" pipe, sewer, including 279.42' earthen pipe, surface drain. Minor drain. 8 manholes.	\$7,636 77
Winship street, from Washington street to Chestnut Hill avenue.	Aug. 26, 1930	Oct. 21, 1930	J. J. Conway.....	253.14 259.93 234.32 517.01 297	20" D. S. pipe, surface drain..... 18" D. S. pipe, surface drain. 15" pipe, surface drain. 12" pipe, surface drain. Minor drain. 7 manholes. 3 catch-basins.	6,642 05
South Hobart street and Melvin avenue....	Sept. 29, 1930	Nov. 10, 1930	D. V. Construction Company.	227.52 685.55 212.05 162.50	12" pipe, surface drain..... 10" pipe, surface drain. 10" pipe, surface drain. Minor drains. 7 manholes. 1 catch-basin.	4,002 50
Donnybrook road, from Faneuil street to Hobson street.	Sept. 29, 1930	Oct. 20, 1930	Louis Balboni.....	348.29 311.55 114.80 120	15" pipe, surface drain..... 12" pipe, surface drain. 10" pipe, surface drain. Minor drain. 7 manholes. 8 catch-basins.	4,597 51
North Harvard street, from Western avenue to Cambridge street.*	Nov. 18, 1930	.....	A. Grande.....	600 168 220 580 450 320 334	15" pipe, surface drain..... 10" pipe sewer, including 78' 10" pipe, surface drain. 12" pipe, sewer. 10" pipe, surface drain. 12" pipe, surface drain. 24" D. S. pipe, surface drain. Minor drain. 17 manholes. 17 catch-basins.	8,016 00

Englewood avenue, from Chestnut Hill avenue to 200 feet easterly.*	Dec.	30, 1930	.....	M. D. Russo.....	.....	No estimates to date.....	84 10
South Waverly street, between Litchfield street and Lincoln street.*	Dec.	22, 1930	.....	Louis Balboni.....	.....	No estimates to date.....	255 43
WEST ROXBURY.							
Jennett avenue, Hill street and Cheswick road.	May	14, 1930	July 5, 1930	Joseph Loconzola, Jr., and N. DiBartolomeo.	941.71 464.97 105	10" pipe, sewer. 10" and 12" pipe, surface drain. Underdrain. 9 manholes.	5,652 32
Washington street, from Ferncliff avenue to Washington Heights avenue.	Feb.	11, 1929	July 3, 1929	Louis Balboni.....	.....	6 manholes..... 3 catch-basins.	536 36
Bogandale road, from Centre street 800 feet southeasterly.	June	1, 1929	Oct. 29, 1929	Pat. Guarino.....	.....	.....	260 15
Avalon road, Manthorne road extension and outlet in Addington road and Corey street.†.	May	23, 1929	Nov. 4, 1929	M. DeSisto Company.....	9,446 644.10 226.20 1,872.73 382.67 2,466 436	15" pipe, surface drain..... 12" pipe, surface drain. 10" pipe, surface drain. 3' circular concrete surface drain. 2' 6" circular concrete surface drain. Underdrain. Minor drain. 16 manholes. 5 catch-basins.	7,461 92
Brookley road, between Washington street and Plainfield street.	June	12, 1929	July 10, 1929	A. Grande.....	.....	.....	227 03
Centre terrace and private land.....	July	26, 1929	Nov. 15, 1929	T. J. O'Connell.....	20.70 759.80 31.25	15" pipe, surface drain..... Underdrain. Minor drain. 13 manholes. 3 drop inlets.	1,417 65
Gardner street, Lark street, private land and Robin street.	June	2, 1929	Aug. 8, 1929	A. Cefalo.....	.....	.....	413 54
Rustic road, between Emmons road and Bellevue street.	June	5, 1929	June 27, 1929	A. Cefalo.....	.....	.....	58 80
Washington Heights avenue, from Washington street to 400 feet northwesterly.	June	14, 1929	Oct. 8, 1929	Roxbury Concrete Construction Company.	.....	.....	184 27

* Cost not complete.

† Finished in 1929, but not in 1929 report.

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
WEST ROXBURY.—Continued.						
Bates street, Alpheus road, Weeks avenue and Mansfield street.	July 6, 1929	Aug. 15, 1929	Joseph Todesca.....	.....	.....	\$304 15
Dent street, between Pleasant street and Winslow street.	July 24, 1929	Aug. 12, 1929	C. Russo.....	.....	.....	378 16
Eastbourne street and outlet in Beech street.	July 2, 1929	Aug. 7, 1929	Charles Struzziery.....	.....	.....	245 14
Lennoco road, between Orchard avenue and 300 feet northerly, and outlet in Orchard avenue.	Aug. 5, 1929	Nov. 27, 1929	Joseph Capoue.....	.....	2 manholes.....	576 21
High View avenue and outlet in Washington street.	Sept. 30, 1929	Jan. 22, 1930	Charles Struzziery.....	59.75	10" pipe, sewer. 4 manholes. 1 lamp hole.	2,268 26
Hillside avenue and Leland street.....	Aug. 2, 1929	Oct. 30, 1929	J. J. Conway.....	.....	.....	99 87
Pershing road and Roseway street and outlet in Centre street.	Sept. 4, 1929	Sept. 26, 1929	John Williams.....	.....	.....	406 84
Rodman street and in Mosgrove avenue, Washington street and Leshar street.	Sept. 18, 1929	Oct. 31, 1929	John Williams.....	.....	.....	1,365 06
Weld park outlet, section 1—Arnold Arboretum, West Roxbury Parkway, between South street and Centre street.	Sept. 23, 1929	Dec. 2, 1929	A. Cefalo.....	695 36	Under drain..... Minor drain. 30 manholes.	5,713 25
Brahms and Liszt streets, between Nikisch avenue and Washington street.	Oct. 28, 1929	Nov. 13, 1929	John Williams.....	.....	.....	564 40
Cedrus avenue and Vale street.....	Oct. 22, 1929	Nov. 12, 1929	Charles Struzziery.....	140	12" pipe, minor drain..... 3 manholes. 7 catch-basins.	301 44

Mendelssohn street and Haydn street, between Nikisch avenue and Washington street.*	Oct.	25, 1929	Nov.	14, 1929	Louis Balboni .....	.....	.....	521 78
Pond circle, from Pond street about 200 feet northerly.	Oct.	8, 1929	Nov.	2, 1929	Roxbury Concrete Construction Company.	.....	4 manholes	186 16
Rockwood street, from existing sewer 140 feet northerly.	Oct.	31, 1929	Dec.	28, 1929	N. DiBartolomeo Company,	.....	.....	263 84
Welles park, from Welles street 230 feet northeasterly.	Oct.	25, 1929	Nov.	2, 1929	L. P. Federico and R. Sussi,	.....	.....	148 38
Martin street, between Park street and Wren street and in Hillview avenue, between Craundell street and Clarendon avenue.*	Oct.	30, 1929	Dec.	21, 1929	Patrick Guarino.....	283.15 44	10" pipe, sewer, including 279.35' 10" pipe, surface drain. Minor drain. 2 manholes. 3 catch-basins.	659 58
Ashcroft street, between Lorraine street and Perkins street.*	Nov.	26, 1929	Dec.	19, 1929	D. V. Construction Company.	358.45 82	10" pipe, surface drain..... Minor drain. 3 manholes. 1 catch-basin.	261 45
Pond circle (easterly branch), from existing sewer 200 feet northerly.*	Dec.	9, 1929	Dec.	14, 1929	Louis Balboni.....	204.10 7	10" pipe, sewer, including 193.80' 10" pipe, surface drain. 2 manholes.	113 15
Westbourne terrace, from Bourne street 290 feet northeasterly.	Nov.	13, 1929	Dec.	2, 1929	M. DeSisto.....	30	10" pipe, sewer..... 1 manhole.	86 94
Welles terrace, from Welles street 220 feet northeasterly.	Jan.	8, 1930	Feb.	15, 1930	C. Russo.....	219.90 204.50 7	10" pipe, sewer..... 10" pipe, surface drain. Minor drain. 2 manholes.	1,381 32
Weld park outlet, section 2 — West Roxbury Parkway, between Centre street and Parkvale road.	Jan.	13, 1930	May	12, 1930	Joseph Loconzola, Jr., and N. DiBartolomeo.	3,752.14	24" D. S. pipe, sewer..... 19 manholes.	27,940 17

* Finished in 1929, but not in 1929 report,

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
WEST ROXBURY.— <i>Continued.</i>						
Buchanan road and outlet in private land,	June 4, 1930	July 31, 1930	M. DeSisto.....	763.88	24" D. S. pipe, surface drain, in- cluding 737.03' 12" by 15" pipe, sewer.	\$8,191 96
				234.63	12" pipe, surface drain, including 245.52' 16" pipe, sewer.	
				49	Minor drain. 14 manholes.	
Centre street, from Dedham line 2,150 feet northerly.	June 2, 1930	Oct. 2, 1930	Joseph Todesca.....	2,162.63 659	10" pipe, sewer..... Pipe, under drain. 13 manholes.	16,251 24
Church street, Weld street and Schirmer road.	April 4, 1930	July 7, 1930	Charles Struzziery.....	936.85	10" pipe, sewer, including 955.10' 18" D. S. and 12" pipe, surface drain.	11,519 03
				223.05	15" pipe, surface drain.	
				880.35	12" pipe, surface drain.	
				212	Minor drain. 17 manholes. 6 catch-basins.	
Dent street, brook conduit, between Ver- mont street and Lasell street.	March 24, 1930	June 12, 1930	C. Russo.....	42 49.65 107.70	12" pipe, sewer..... 10" pipe, sewer. 5' 6" circular concrete conduit, in- cluding 44' 10" pipe, sewer.	16,985 38
				393.41	5' 3" circular concrete conduit, in- cluding 180' 12" pipe, sewer.	
				237.25	5' circular concrete conduit, in- cluding 235' 12" pipe, sewer.	
				724	Pipe, under drain.	
				147	Minor drain. 14 manholes.	

Hemlock street, between Walworth street and Washington street.	March 18, 1930	April	1, 1930	A. Cefalo.....	308.7 166.2 319.7 125	18" D. S. pipe, surface drain 12" pipe, surface drain. 10" pipe, surface drain. Minor drain. 5 manholes. 4 catch-basins.	2,671 33
Park street, Stratford street, Robin street and private land.	March 31, 1930	May	8, 1930	A. Cefalo.....	553.84 150.17 300.81 498	10" pipe, sewer, including 557.13' 10" pipe, surface drain. 12" pipe, surface drain. 10" pipe, surface drain. Minor drain. 12 manholes. 12 catch-basins.	6,939 25
Prospect street and Caledonia avenue.....	April 14, 1930	May	31, 1930	John Williams.....	215.11 503.65 16	10" pipe, sewer, including 196.99' 15" pipe, surface drain. 10" pipe, sewer, including 508.26' 12" pipe, surface drain. Minor drain. 9 manholes.	9,071 70
Parkvale road and West Roxbury Parkway, between Cranston street and Brookline line.	May 12, 1930	July	30, 1930	Charles Struzziery.....	731.15 557	24" D. S. pipe, sewer, including 24' 24" C. I. pipe. Underdrain. 3 manholes.	8,084 21
Baker street, Lasell street, Temple street, Temple terrace and Glenham street.	May 26, 1930	Aug.	14, 1930	James J. Conway.....	712.37 1,301.01 1,223.58 120	15" pipe, sewer 12" pipe, sewer. 10" pipe, sewer. Underdrain. 21 manholes.	12,668 19
Linnet street and Winchester road.....	April 24, 1930	June	21, 1930	Joseph Todesca.....	1,122.39 4	10" pipe, sewer Minor drain. 6 manholes.	3,518 74
Birchwood street, Rockland street, Schiller street and outlet in private land.*	June 26, 1930	Dec.	29, 1930	Joseph Loqonzola, Jr., N. Di Bartolomeo.	1,706.64 278.35 1,253.62 198.85 526.60 307.22 203	10" pipe, sewer..... 12" pipe, sewer 10" and 12" pipe, surface drain. 10" pipe, surface drain. 24" D. S. pipe, surface drain. 2' by 2' 6" concrete conduit. Minor drain. 31 manholes. 11 catch-basins.	22,508 66

* Cost not complete.

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
WEST ROXBURY.—Continued. Guernsey street and private land, Sunset street, Barlow street and Sanderson place. (Brighton.)	Aug.	Sept.	N. Samella & Son.....	759.77 43	10" pipe, sewer Minor drain. 10 manholes.	\$3,211 26
	July	Aug.	A. Piatelli & Co.....	431.40 468.95 688.99	15" pipe, surface drain..... 12" pipe, surface drain. 10" pipe, surface drain. 11 manholes. 7 catch-basins. Minor drain.	6,154 27
	July	.....	L. P. Federico & R. Sussi Company.	184 961.75 296.55 51	10" pipe, sewer, including 773' 10" pipe, surface drain. 12" pipe, sewer. Minor drain. 11 manholes. 2 catch-basins.	12,219 94
Swallow street, from La Grange street to 150 feet southwest to Cowing street.*	June	Aug.	A. Cefalo.....	430.60 591.10 146.26 469.03 82	10" sewer, Vermont street..... 10" sewer, Dwinnell street. 15" pipe, surface drain. 10" pipe, sewer. Minor drain. 12 manholes. 2 catch-basins.	5,561 58
Vermont street, Baker street and Dwinnell street.	July	Sept.	A. Cefalo.....	817.03 628.61 924.40 670	10" pipe, surface drain, including 115.70' 10" sewer. 10" surface drain. 10" surface drain, including 254.82' 10" sewer. Minor drain. 17 manholes. 12 catch-basins.	11,198 20
Arborough road, Granfield avenue, Sidley road, Ardmore road and Wycliff avenue.						

Brier road and Wellesmere road and Rogers Park avenue, Burton street and Bellamy street.	Aug.	7, 1930	Sept.	10, 1930	M. DeSisto Company.....	155.80 337.28 106.55 578.66 603.98	10" pipe, sewer, including 165.34' 12" pipe, surface drain. 18" D. S. pipe, surface drain. 18" D. S. pipe, surface drain, including removal of 60' 18" pipe, surface drain. 12" pipe, surface drain. Minor drain. 11 manholes. 16 catch-basins.	7,519 10
Cranston road, private land, Willowdean avenue, Weld park outlet.	July	21, 1930	Nov.	26, 1930	A. D. Daddario.....	1,831.30 3,993.56 717.35 152	15" pipe, sewer..... 10" pipe, sewer. 24" D. S. pipe, surface drain. Minor drain. 35 manholes.	38,640 95
Dale street, Burley street, Littledale street and Maynard street.*	July	22, 1930	.....	.....	James J. Coughlin & Sons Company.	2,100 1,150 340 460 400 2,400 16	10" pipe, sewer..... 10" pipe, surface drain. 24" and 30" D. S. surface drain. 2' by 2' 6" connecting sewer. 3' by 5' 4" and 3' by 4' 3" connecting surface drain. Underdrain. Minor drain. 32 manholes.	27,246 66
Forest Hills street, Forest Hills circle, Corey street and Ricker street.	Aug.	12, 1930	Oct.	10, 1930	C. Russo.....	195.10 140.84 149.95 443.60 94	10" pipe, sewer..... 10" pipe, sewer, including 132' 10" pipe, surface drain. 10" pipe, sewer, including 149.85' 10" pipe, surface drain. 10" pipe, sewer, including 425.50' 12" and 15" pipe, surface drain. 14 manholes. Minor drain.	7,748 42
Green Hill avenue, outlet in private land, Elwell road, Malcolm road, Allendale street, Centre street.*	.....	.....	.....	.....	N. Sannella & Son.....	3,560 3,140 118	10" pipe, sewer..... 24" D. S., 10" pipe, surfacedrain. Minor drain. 32 manholes.	17,656 43

* Cost not complete.

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
WEST ROXBURY.— <i>Concluded.</i>						
Lasell street, from Baker street to 672 feet northeast of La Grange street and outlets in Baker street and Caspar street.	Sept. 8, 1930	Nov. 15, 1930	A. Cefalo.....	170.60 1,453.66 1,171.10 493.60 1,034	18" D. S. surface drain..... 15" pipe, surface drain. 12" pipe, surface drain. 10" pipe, surface drain. Minor drain. 21 manholes. 22 catch-basins.	\$11,414 34
Franklin Hill avenue and Canterbury street*,	Oct. 17, 1930	.....	C. Russo.....	1,761.20 1,244.18 210	10" pipe, sewer..... 18" and 24" D. S. pipe, surface drain Minor drain. 19 manholes. 8 catch-basins.	7,819 55
Goethe street, Carrol street and private land,*	Oct. 11, 1930	.....	N. Cibotti.....	1,516 1,515 60	10" pipe, sewer..... 10" to 24" surface drain. Minor drain. 18 manholes.	8,781 97
Hamilton street, Prospect street, Eastwood Circuit and Oakmere street.*	Oct. 14, 1930	.....	M. DeSisto.....	1,183 1,152 81	10" pipe, sewer, including 12" and 10" surface drain. 500' 12" surface drain. Minor drain. 14 manholes.	5,071 76
Weld street, between Manthorne road and Maple street, Firth road, between Florence and Washington streets.	Sept. 29, 1930	Nov. 4, 1930	A. Piatelli & Co.....	446.25 770.58 162	12" surface drain..... 10" surface drain. Minor drain. 10 manholes. 3 catch-basins.	4,271 06
Cerdan avenue and outlet in private land to Montclair avenue.	Oct. 17, 1930	Dec. 18, 1930	Charles Struzziery.....	400.15 950.45 558.60 369	15" pipe, surface drain..... 12" pipe, surface drain. 2' 3" circular concrete conduit. Minor drain. 13 manholes. 12 catch-basins.	9,797 27

Stony brook, section 11, between Roslindale brook, Bradeen street and Stellman road.*	.....	.....	V. Barletta.....	80	15' by 13' concrete conduit.....	1,754 42
Billings field, between La Grange street and Bellevue street.*	Nov. 10, 1930	.....	DeCristofaro Brothers Company.	938 168 90	10" pipe, sewer, including 802' 2' 3" concrete conduit. 18" pipe, surface drain. 18" D. S. pipe, surface drain. 15" pipe, surface drain. 6 manholes.	6,776 00
Furnival road and outlet in private land to Rockwood street.*	Dec. 17, 1930	.....	Charles Struzziery.....	150	10" pipe, sewer.....	533 17
Johnson street, between Baker street and Elmwood street.	Dec. 8, 1930	Dec. 29, 1930	Louis Balboni.....	400.95 104.08	10" pipe, sewer..... 12" pipe, sewer. 4 manholes.	494 19
Leland street, between Wachusett street and 200 feet southerly.*	Nov. 14, 1930	.....	Roslindale Contracting Company.	100 120 37	10" pipe, sewer..... 6" pipe, temporary sewer..... Minor drain.	1,029 80
Orchard Hill road and outlet in Morton street.*	.....	.....	N. Sannella.....	.....	.....	158 62
Private land, between Tower street and Forest Hills Cemetery.*	Dec. 30, 1930	.....	Joseph Loconzola, Jr., and N. DiBartolomeo.	.....	.....	174 27
Roslindale avenue, Bournedale road, Bourne street, Southbourne road.*	.....	.....	D. V. Construction Company.	.....	.....	203 00
DORCHESTER.						
Walk Hill street, Harvard street, Ashmont street, Bateswell road, Beaumont road, Elm road, River street, Hyde Park, at Blake street.	Nov. 1, 1928	Sept. 28, 1929	East Boston Construction Company.	.....	.....	187 15
Oakland street, from Favre street to Wood avenue, and Oakland street.	Aug. 15, 1927	July 26, 1929	A. Baruffaldi.....	.....	.....	5,683 60
Morton street (north side), from Washington street to Druid street.†	Jan. 7, 1929	Aug. 22, 1929	DeCristofaro Brothers Company.	.....	.....	1,050 25

* Cost not complete.

† Finished in 1929, but not in report.

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.— Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
DORCHESTER.— <i>Continued.</i>						
Codman Hill avenue, from Milton Avenue Extension, Hurlcroft avenue and Mercier avenue.	May 9, 1929	July 9, 1929	Joseph Todesca.....	674	Minor drains..... 13 manholes. 2 old catch-basins changed to manholes. 2 catch-basins.	\$370 28
Ashton street, from Callender street to Woodrow avenue, Mt. Bowdoin terrace, from Mallon road to Eldon street.	Jan. 3, 1929	July 1, 1929	C. Russo.....			342 15
Morton street (south side), from Old Morton street, near Manchester street, to about opposite Druid street.	June 6, 1929	July 27, 1929	A. Daddario.....			592 46
Morton street, between Norfolk street and Canterbury street.	June 12, 1929	July 27, 1929	C. Russo.....			478 89
River street, from Idaho street to Groveland street.	May 16, 1929	June 6, 1929	A. Daddario.....			165 34
Southern Artery (north side), from Adams street to Brenton street.	May 15, 1929	June 19, 1929	T. J. O'Connell.....	14	Minor drain..... 3 manholes.	138 84
Columbia park and Washington road.....	May 29, 1929	July 27, 1929	Joseph Capone.....			191 11
Oakland brook in private land, between Bismark street and Favre street, and Favre street, between Oakland street and Messenger street.	June 18, 1929	Aug. 17, 1929	Louis Balboni.....			355 12
Burgoyne street and Helena road, Sedalia road and Wilcox road.	July 1, 1929	Aug. 22, 1929	Joseph Loconzola, Jr.....			354 63
Rich street, from Delhi street, 275 feet south-easterly.	July 5, 1929	Aug. 2, 1929	J. J. Conway.....			106 81

Regis road and Donald road.....	July	15, 1929	Sept.	17, 1929	John Williams.....	.....	.....	626 37
Washington street, between Valley road and Mora street.	July	9, 1929	Nov.	29, 1929	A. Grande.....	.....	.....	3,714 63
Kennebec street and Oldfield street *.....	Aug.	12, 1929	Sept.	14, 1929	A. Piatelli & Co.....	.....	.....	140 25
Hazleton street and Duke street.....	Sept.	16, 1929	Nov.	16, 1929	Joseph Loonzola, Jr.....	.....	.....	876 21
Milton street, from Granite avenue to Hallett-Davis street and outlet in Hallett-Davis street.	Sept.	11, 1929	Nov.	12, 1929	C. Russo.....	.....	.....	2,789 03
Supple road, from Normandy street to Blue Hill avenue.	Sept.	16, 1929	Oct.	7, 1929	John Williams.....	.....	.....	146 50
Truxton street, from Washington street to Milton street.	Sept.	24, 1929	Nov.	2, 1929	D. V. Construction Company.....	.....	.....	815 20
Rector road, from River street to Hollingsworth street.	Oct.	8, 1929	Oct.	24, 1929	Louis Balboni.....	.....	.....	153 92
Sharp street and outlet in passageway.....	Nov.	2, 1929	Dec.	3, 1929	C. Russo.....	124	Minor drains. 7 manholes. 4 catch-basins.	738 72
Manor street, from Fairview street to 100 feet northwesterly.	Dec.	19, 1929	Dec.	27, 1929	C. Russo.....	125	10" pipe, sewer. 1 manhole.	555 74
Rosserlin street, from Train street, 147 feet westerly.	Dec.	28, 1929	Jan.	6, 1930	Charles Struzziery.....	.....	2 manholes.....	1,016 09
Victoria road, from Southern Artery, about 190 feet southerly.	Jan.	27, 1930	Feb.	26, 1930	Charles Struzziery.....	204.35 22	10" pipe, sewer. Minor drain. 1 manhole. 2 catch-basins.	1,375 49
Bushnell street, from Van Winkle street to Radford lane.	March	19, 1930	May	10, 1930	D. Vozzella.....	379.40 26 28	15" D. S. pipe, sewer. 12" S. S. pipe, sewer. Minor drain. 5 manholes.	2,318 63

* Finished in 1929, but not in report.

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.— Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
DORCHESTER.— Continued.						
Old Colony Parkway (east side), 100 feet southeasterly, Mt. Vernon street.	Feb. 25, 1930	March 15, 1930	V. Barletta Company.....	.....	.....	\$6,455 04
Devon street, from Columbia road to the New York, New Haven & Hartford Railroad.	March 13, 1930	April 7, 1930	John Williams.....	263.70 30.70 36.70 118	18" D. S. pipe, surface drain..... 12" S. S. pipe, surface drain. 15" D. S. pipe, surface drain. Minor drain. 4 manholes. 3 catch-basins.	2,459 81
Gallivan Boulevard (southerly side), between Druid street and Morton street.	March 24, 1930	May 24, 1930	J. J. Conway.....	739.81	12" pipe, sewer..... 4 manholes.	6,057 46
Lauriat street, from Callender street to Woodrow avenue, and outlet.	March 18, 1930	April 3, 1930	John Williams.....	485.80 139	12" pipe, surface drain..... Pipe, minor drain. 6 manholes. 3 catch-basins.	2,650 20
Mt. Vernon street and private land, west of Old Colony Parkway.	March 10, 1930	May 17, 1930	DeCristofaro Brothers Company.	267.35 230.30 776.77	5' circular reinforced concrete sewer, 5' circular reinforced concrete overflow. Pipe, under drain. 6 manholes.	17,756 65
River street, from Standard street, 135 feet west of Duxbury road.	March 11, 1930	April 23, 1930	M. DeMatteo.....	493.30 263.25 172	18" D. S. pipe, surface drain..... 24" D. S. pipe, surface drain. Minor drain. 6 manholes. 7 catch-basins.	8,511 41
Rhoades street and Goodale road.....	March 19, 1930	April 3, 1930	L. P. Federico and R. Sussi Co.	394.90 116	12" pipe, surface drain..... Minor drain. 2 manholes. 6 catch-basins.	2,419 62

Cummins Highway, from Richmond road to River street.*	April	3, 1930	April	8, 1930	.....	.....	.....	58 56
Strathcona road, from Brinsley street to Washington street.	April	3, 1930	April	8, 1930	Zoppo and Civitarese.....	249 30	10" pipe, surface drain. Minor drain. 2 manholes.	973 15
Walnut street.†	.....	.....	.....	.....	Thomas J. Kelly.....	.....	.....	28 16
River street, from Mattapan square to Duxbury road.	May	21, 1930	July	12, 1930	John Williams.....	72 670 874.60 264.40 22 367	24" C. I. pipe, surface drain. 18" D. S. pipe, surface drain. 15" D. S. pipe, surface drain. 12" S. S. pipe, surface drain. 24" D. S. pipe, surface drain. Minor drain. 13 manholes. 19 catch-basins.	15,870 15
Fredonia street (Dorchester) and Huntington avenue (Hyde Park).†	.....	.....	.....	.....	C. Russo.....	218 289 210 400	10" pipe, sewer. 15" pipe, sewer, including 250' 24" pipe, surface drain. 12" pipe, sewer. Under drain. 6 manholes. 8 catch-basins.	7,721 78
Frontenac street, Livingstone street and Rosslerin street. (Old Colony avenue and Old Colony terrace.)†	July	24, 1930	Aug.	29, 1930	N. Cibotti.....	256 391.50 432.20 410	10" pipe, sewer. 12" pipe, surface drain. 15" and 12" pipe, surface drain, including 203' 10" pipe, sewer. Minor drain. 13 manholes.	6,014 08
Harbor View street, Crescent avenue and catch-basins and drains in Dorchester.	July	8, 1930	Sept.	15, 1930	A. Grande.....	665.10 424.80 181.15 739	15" pipe, surface drain, including 281.63' pipe, sewer. 12" pipe, surface drain. 24" pipe, surface drain. Minor drain. 17 manholes. 6 catch-basins.	12,873 16

* Advertised but not awarded.

† Not built under this contract.

‡ Cost not complete.

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.— Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
DORCHESTER.— <i>Continued.</i> Ormond street, from Duke street northwest to Wellington Hill street.	July 29, 1930	Sept. 4, 1930	Louis Balboni	738.60 288.50 971.10 35.30	12" pipe, sewer. 15" pipe, surface drain. 12" pipe, surface drain. 12" pipe, S. D., including 33' 12" pipe, sewer. Pipe, minor drain. 10 manholes. 9 catch-basins.	\$6,757 25
	Aug. 12, 1930	Oct. 11, 1930	N. Cibotti.....	34 4 174.80 515.80 12 24 5 431.50 371 597	12" pipe, sewer. 24" pipe, sewer. 12" surface drain. 24" surface drain. 24" C. I. pipe, surface drain. 12" C. I. pipe, surface drain. 18" pipe, surface drain. 4' 6" by 6', concrete surface drain Pipe under drain. Pipe minor drain. 14 manholes. 5 catch-basins.	16,323 41
	.....	.....	.....	.....	.....	9 00
	Aug. 4, 1930	Sept. 9, 1930	A. Piatelli & Co.....	442.42 105.68 985.60 165 159	18" and 15" pipe, sewer. 12" pipe, sewer. 12" pipe sewer, including 977.50' 12" pipe, surface drain. Pipe under drain. Minor drain. 20 manholes. 1 catch-basin.	13,100 13
Dudley street, from Magnolia street to Columbia road.*						
Eastman street and Pleasant Hill avenue...						

Oakland Brook, private land and Messenger street.	Aug.	30, 1930	Nov.	20, 1930	J. F. Kennedy & Co.....	12 12 40 868	18" C. I. pipe, sewer..... 12" C. I. pipe, sewer. 24" pipe, surface drain. Under drain. 5 manholes.	17,266 99
Westmoreland street, from Fairfax street, 445 feet easterly.	Oct.	8, 1930	Oct.	24, 1930	John Williams.....	470.50 354	12" pipe, surface drain..... Minor drain. 5 manholes. 3 catch-basins.	2,186 04
Crescent avenue, Sydney street and Wales street.	Oct.	27, 1930	Dec.	27, 1930	Zoppo and Civitarese.....	190	24" pipe, sewer..... 1 manhole.	10,443 13
Cushing Hill road, between Gallivan Boulevard and Milton street.	Nov.	3, 1930	Nov.	15, 1930	A. Piatelli & Co.....	602.90	12" pipe, sewer..... 5 manholes.	2,344 88
Gallivan Boulevard, south side, Arbella road, Cemetery Lane, private land and O'Connell road.†	Nov.	18, 1930	.....	.....	DeCristofaro Brothers Company.	1,050 200	10" pipe, sewer, including 1,100' 12" pipe, surface drain. 24" D. S. pipe, surface drain. 6 manholes.	7,665 56
Hamilton street and Bowdoin street.†.....	Nov.	22, 1930	.....	.....	J. F. Kennedy & Co.....	46 254 74	18" pipe, surface drain, including 40' 18" pipe sewer. 12" pipe surface drain. Minor drain. 3 manholes.	3,549 81
Outlook road, from Ormond street to Byers street.	Nov.	14, 1930	Dec.	19, 1930	D. V. Construction Company.	389.50 346.40 222	10" pipe, sewer, including 277' 12" pipe, surface drain. 12" pipe, surface drain. Minor drain. 10 manholes. 3 catch-basins.	4,913 27
Wilrose street and Greenfield road.†.....	Dec.	4, 1930	.....	.....	John Williams.....	425	12" and 10" pipe, surface drain, including 310' 10" pipe sewer. 6 manholes. 5 catch-basins.	3,595 55
Mt. Vernon street, from Old Colony Division, New York, New Haven & Hartford Railroad, to 900 feet southeasterly.†	Dec.	9, 1930	.....	.....	T. J. O'Connell.....	.....	.....	668 52

* Advertised but not awarded.

† Cost not complete.

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.— Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
DORCHESTER.— <i>Concluded.</i>						
Norfolk street, Flint street and Astoria street.*	Dec. 22, 1930	.....	A. Piatelli & Co.....	.....	.....	\$45 44
Old Colony Parkway and Old Colony Terrace.*	Dec. 15, 1930	.....	John Williams.....	.....	.....	551 60
Gallivan Boulevard, north side, Branch street and Medway street.	Aug. 28, 1930	Oct. 11, 1930	C. Russo.....	454.60 238.20 78	10" pipe, sewer, including 446' 12" pipe, S. D. 12" pipe, surface drain. Minor drain. 7 manholes. 2 catch-basins.	5,887 41
HYDE PARK.						
Rosemont street and private land, from Rutledge road 180 feet southwesterly.	Oct. 19, 1929	Nov. 2, 1929	A. Piatelli & Co.....	.....	.....	157 58
Clay street and Greenwood avenue.....	July 1, 1929	Sept. 12, 1929	Joseph Todesca.....	.....	.....	163 52
Summer street and Bald Knob road.....	Aug. 13, 1929	Nov. 13, 1929	Joseph Todesca.....	108 43	10" pipe, sewer..... 3 manholes.	571 42
Westminster street, Central avenue and River street, and outlet in West Glenwood avenue.	Aug. 16, 1929	Oct. 2, 1929	Joseph Todesca.....	.....	10 manholes..... 10 catch-basins.	1,257 62
Clifford street, between Hawthorne street and Readville Park.	April 1, 1930	April 3, 1930	Zoppo & Civitarese.....	294.7	12" pipe, sewer..... 2 manholes.	656 79
Water street, between Garfield avenue and Dana avenue.	March 18, 1930	April 10, 1930	Zoppo & Civitarese.....	407 109.60 28	20" D. S. pipe, surface drain..... 24" D. S. pipe, surface drain. Minor drain. 5 manholes.	3,698 98

Arlington street (Hyde Park) and Cummins Highway (Dorchester).	April 28, 1930	June 14, 1930	N. Sannella & Son.....	454 292 153.85 164	10" and 12" pipe, sewer..... 20" D. S. pipe, surface drain. 18" D. S. pipe, surface drain. Minor drain. 10 manholes. 5 catch-basins.	6,056 02
Chester street, Washington street and Summer street.	April 29, 1930	May 23, 1930	Zoppo & Civitarese.....	553.20 709.10 714.10	12" pipe, sewer..... 10" pipe, sewer. 7 manholes.	4,370 29
East Milton street and Westville road.....	May 28, 1930	July 19, 1930	A. Grande.....	293.40 79 312 139.40 218	10" pipe, sewer..... 15" pipe, sewer. 15" pipe, surface drain. 12" pipe, surface drain. Minor drain. 8 manholes. 3 catch-basins.	7,224 93
Farrar avenue and Page street, Hill Top street and Manchester street.	June 19, 1930	Aug. 23, 1930	N. Cibotti.....	915.30 682.10 50	10" pipe, sewer..... 12" pipe, sewer. Minor drain. 9 manholes.	10,034 40
Hyde Park avenue, between Mother brook and Wolcott square, between Metropolitan avenue and old Hyde Park-Boston boundary line, and Mason street, between Neponset river and Hyde Park avenue.	June 30, 1930	Oct. 29, 1930	John Williams.....	935.96 712.47 369.68 737.64 2,566.39 1,543 45	10" pipe, sewer, including 781.92' 20", 18", 15" and 12" surface drain. 18" pipe, surface drain. 24" D. S. pipe, surface drain. 20" D. S. pipe, surface drain. 15" and 12" pipe, surface drain. Under drain. 10" to 24" C. I. pipe.	34,501 64
Summer brook in Wood avenue and Frazer street.	Aug. 19, 1930	Oct. 18, 1930	Zoppo & Civitarese.....	366 34	3' 8" by 4' 8" reinforced concrete surface drain, including trench and laying of 375 feet 18" pipe sewer; 203' 10" pipe sewer, etc. Pipe, minor drain. 8 manholes. 2 catch-basins.	12,191 83

* Cost not complete.

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
<i>HYDE PARK.—Concluded.</i>						
Norris road, Belnel road, Coronado road, Friendship road, Hopewell road.	Sept. 22, 1930	Oct. 16, 1930	M. DeSisto Company.....	399.65 396.20 803.30 220.70 332.80 607.90	10" pipe, sewer; 12" pipe, surface drain. 10" pipe, sewer. 10" pipe, sewer. 10" pipe, sewer. 10" pipe, sewer. 17 manholes.	\$6,128 88
Sumner brook in Huntington avenue, be- tween River street and Jefferson street.	Dec. 22, 1930	*	C. Russo.....		No appropriation in 1930.....	549 94
Seminole street, between Cummins Highway and Wood avenue.	Nov. 10, 1930	Nov. 29, 1930	John Williams.....	300 500 236	15" pipe, surface drain..... 12" pipe, surface drain. Minor drain. 8 manholes. 4 catch-basins.	4,347 59
West street, Lodge Hill road, Asheville road and DeForest street.	Dec. 1, 1930	*	DeCristofaro Brothers Co..		No appropriation in 1930..... 480' 12" pipe, sewer.	1,277 16
<i>ROXBURY.</i>						
Hemenway street, between Huntington ave- nue and Boylston street.	June 15, 1929	July 11, 1929†	M. F. Gaddis.....			203 82
Kilmarnock street.....	Oct. 4, 1929	Oct. 15, 1929	Louis Balboni.....			52 46
Columbus avenue, from Whittier street to Terry street.....	Nov. 28, 1929 Dec. 12, 1929	March 6, 1930	Department labor.....		72' 18" pipe, sewer..... 2 manholes on surface drain. 2 catch-basins built. 1 drop inlet.	1,872 22

Holworthy street and Waumbeck street.....	June	10, 1930	Sept.	6, 1930	N. Sannella & Son.....	249.5 643 208 432	10" pipe, sewer..... 12" pipe, surface drain. 15" pipe, surface drain. Minor drains. 4 manholes. 3 catch-basins.	8,276 26
Jersey street, from Brookline avenue to Audubon road.	May	23, 1930	June	26, 1930	Charles Struzziery.....	235	Minor drain..... 12 drop inlets. 4 manholes.	4,490 39
Townsend street, between Washington and Warren streets.	June	5, 1930	Sept.	11, 1930	Department labor.....		56' 10" pipe, surface drain..... 8 manholes. 9 catch-basins.	2,877 30
South Huntington avenue, Basswood street, Crawford street, Floydell street and Elm Hill avenue.	July	14, 1930	Aug.	25, 1930	J. J. Conway.....	60 580.5 1,493.66 204	18" D. S. pipe, surface drain..... 15" D. S. pipe, surface drain. 12" pipe, surface drain. Minor drain. 14 manholes. 4 catch-basins.	11,302 65
Albany street and Hampden street	Dec.	19, 1930	*	*	A. Singarella.....			235 83
Alleys No. 801 and No. 817 and Pleasanton street.	Dec.	26, 1930	*	*	Patrick Guarino.....			368 77
CITY PROPER.								
Nashua street, from Causeway street to Minot street.	April	9, 1929	July	12, 1929	V. Barletta.....			1,809 48
Nashua street, between Minot street and Leverett street; Lowell street, between Brighton street and Nashua street.	June	6, 1929	Nov.	15, 1929	C. & R. Construction Com-pany.			7,444 76
Medford street, between Causeway street and Washington Street North.	April	8, 1930	May	3, 1930	C. & R. Construction Com-pany.	371.10 20.70 20	2' by 3' concrete sewer..... 2' by 2' concrete sewer. Minor drains. 3 manholes.	7,257 03

* Cost not complete.

Sewerage Works, Construction, January 1, 1930, to December 31, 1930, Inclusive.— Concluded.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1930.
CITY PROPER.— <i>Concluded.</i> Troy street (city proper) and Iroquois street and Magazine street (Roxbury).	Aug. 27, 1930	Oct. 20, 1930	Roxbury Concrete Construc- tion Company.	174 172.3 18.5 155 160.4 193.15	Minor drain..... 18" pipe, sewer. 10" pipe, sewer. 12" pipe, sewer. 12" pipe, sewer. 12" pipe, surface drain. 7 manholes. 2 catch-basins.	\$6,860 29
Alleys No. 525 and No. 526, Harrison avenue and Knapp street.	Oct. 20, 1930	Dec. 9, 1930	Zoppo & Civitarese.....	251.20 575.35 65.68 489	15" pipe, sewer..... 18" pipe, sewer. 12" pipe, sewer. Minor drain. 6 manholes.	9,644 68
Across Charles street at Poplar street.....	Nov. 10, 1930	*	J. J. Conway.....	30	4' 3" by 3' concrete overflow.....	1,538 30

* Cost not complete.

Savin Hill Bay — Sewerage Works, Etc.

LOCATION.	Begun.	Finished.	Built by.	Length. (feet.)	Character.	Amount expended in 1930.
SECTION 1. In private land, between Auckland street and existing culvert under New York, New Haven & Hartford Railroad, Dorchester.*	Sept. 24, 1929	.....	V. Barletta.....	1,439.86 2,993.00 26.50 31.10 17.00 29.50	12' by 11' concrete conduit..... Pipe underdrain. 11 manholes. Tide-gate chamber. Stop-plank chamber. 3 manholes on chambers. 14' by 12' concrete conduit. 7' diameter concrete conduit. 5' by 5' concrete conduit.	\$92,417 11
SECTION 2.†	.....	.....	.....	.....	.....	807 92
SECTION 3. 320 feet northeast of existing culvert under New York, New Haven & Hartford Rail- road to 2,070 feet northerly and easterly in Savin Hill Playground, land of Com- monwealth of Massachusetts.	Nov. 25, 1929	Sept. 26, 1930	T. J. O'Connell.....	2,060.59 2,060.00 328.00	8' by 10' reinforced concrete conduit, Pipe underdrain. Pipe minor drain. 9 special manholes.	110,877 49
SECTION 4. Easterly side of Old Colony Parkway to 750 feet westerly, land of Commonwealth of Massachusetts.	April 7, 1930	June 17, 1930	A. D. Daddario.....	763.37 763.37 20.00	8' by 10' reinforced concrete con- duit. Pipe underdrain. Pipe minor drain. 3 manholes.	40,297 16
SECTION 5. From Old Colony Parkway, about 1,000 feet easterly to tide-water.	.....	.....	C. & R. Construction Co.....	.....	.....	1,778 15
September, 1930 — debit transfers from Sewer Service.....				\$167.50		\$246,177 83
December, 1930 — debit transfers from Sewer Service.....				32.06		
December, 1930 — debit transfers from Sewerage Works.....				635.43		834 99
Less credits.....						\$247,012 82 1,815 14
						\$245,197 68

* Cost not complete.

† Not awarded.

Recapitulation.

DISTRICTS.	Linear Feet Sewers.	Linear Feet Catch-basins. Drain.	Manholes.	Catch-basins.	Amount Expended in 1930.
South Boston.....	1,400.09	450	18	30	\$25,469 54
East Boston.....	2,031.74	134	10	9	7,404 93
Charlestown.....	824.41	105	25	7	15,528 12
Brighton.....	17,096.69	1,110	123	74	99,112 94
West Roxbury.....	76,789.48	2,010	456	134	368,191 19
Dorchester.....	29,360.54	1,860	179	124	210,440 63
Hyde Park.....	18,568.12	570	74	38	93,188 59
Roxbury.....	4,109.20	765	32	51	29,679 70
City Proper.....	1,745.88	255	16	17	34,554 54

New Catch-basins and Manholes Built by Day Labor and Contract
January 1, 1930, to December 31, 1930, Inclusive.

DISTRICTS.	Catch-basins.	Manholes.	Total Cost.
South Boston.....	25	20	\$14,700 26
East Boston.....	5	8	4,384 38
Charlestown.....	1	2	954 02
Brighton.....	15	15	9,512 44
West Roxbury.....	20	14	11,074 38
Dorchester.....	40	19	28,160 83
Hyde Park.....	12	3	3,341 58
Roxbury.....	51	82	41,163 32
City Proper.....	18	51	19,641 94
Totals.....	187	214	\$132,933 15

SEWERAGE WORKS LOAN, 1930.

Engineers' salaries, general	\$118,967 75
Amount charged to construction of sewers	85,394 10
	<u>\$204,361 85</u>

ENGINEERING EXPENSE.

Labor	\$13,568 55
Autos	266 79
Teams	453 14
Borings	2,852 54
Test pits	1,600 62
Transportation	3,214 63
Supplies, etc.	95 61
	<u>\$22,051 88</u>

PUMPING STATION CONSTRUCTION.

Contracts	<u>\$7,963 28</u>
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Miscellaneous.

	Labor.	Materials.	Con- tractors.	Autos.	Teaming.
Sundries.....	\$672 84	\$198 40	\$1,946 60	\$26 50	\$13 00
Repairing streets.....		77 23	4,843 57		
Release sewers.....	1,255 02				
Stock.....		62,250 40			
Holiday.....	3,080 62				
	<u>\$5,008 48</u>	<u>\$65,026 03</u>	<u>\$6,790 17</u>	<u>\$26 50</u>	<u>\$13 00</u>

COURT EXECUTIONS AND AWARDS ON ACCOUNT OF LAND-TAKINGS, ETC., 1930.

Citizen's Realty Trust Company, private land, Woodbrier road, West Roxbury	\$48 00
Albert V. Daunt, Lasell street, etc., West Rox- bury	150 00
Fannie Baserman, Katie Lieberman, 29 Favre street, Dorchester	50 00
Florence Hall, Parkvale road, West Roxbury	86 80
Lillian Boynton, Rockland street, West Roxbury, Hyman Corman, messenger, Favre street, Dor- chester	154 10
Donata and Mary DeVincenzo, Birchwood street, West Roxbury	50 00
	300 00
	<u>\$838 90</u>

Summary of Sewer Construction for Twelve Months Ended
December 31, 1930.

DISTRICTS.	Built by City by Contract or Day Labor.	Built by Private Parties.	Total Length Built.	
	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Miles.</i>
City Proper.....	1,489.33	256.55	1,745.88	0.331
Roxbury.....	4,109.20	.....	4,109.20	0.778
South Boston.....	1,400.09	.....	1,400.09	0.265
East Boston.....	2,031.74	.....	2,031.74	0.385
Charlestown.....	824.41	.....	824.41	0.156
Brighton.....	16,361.69	735.00	17,096.69	3.238
West Roxbury.....	73,451.98	3,337.50	76,789.48	14.543
Dorchester.....	28,619.56	740.98	29,360.54	5.561
Hyde Park.....	18,548.12	20.00	18,568.12	3.517
Totals.....	146,836.12	5,090.03	151,926.15	28.774

**Net Increase in Length of Sewers Between January 1, 1930, and
December 31, 1930.**

DISTRICTS.	Length of Sewers Built During the Twelve Months Ended December 31, 19 0.	Length of Sewers Re- built or Abandoned During the Twelve Months Ended December 31, 1930.	Net Increase for Twelve Months Ended December 31, 1930.	
	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Miles.</i>
City Proper.....	1,745.88	904.55	841.33	0.160
Roxbury.....	4,109.20	18.00	4,091.20	0.775
South Boston.....	1,400.09	.....	1,400.09	0.265
East Boston.....	2,031.74	.....	2,031.74	0.385
Charlestown.....	824.41	.....	824.41	0.156
Brighton.....	17,096.69	161.80	16,934.89	2.207
West Roxbury.....	76,789.48	.....	76,789.48	14.543
Dorchester.....	29,360.54	1,513.00	27,847.54	5.274
Hyde Park.....	18,568.12	1,031.83	17,536.29	3.321
Totals.....	151,926.15	3,629.18	148,296.97	28.086
<i>Total Length of Sewers.</i>				<i>Miles.</i>
Common sewers and surface drains previous to January 1, 1930.....				1,068.89
Net increase of common sewers and surface drains between January 1, 1930, and December 31, 1930.....				28.09
Total common sewers and surface drains to December 31, 1930.....				1,096.98
Intercepting sewers connecting with Metropolitan sewers to December 31, 1930.....				* 6.81
Boston main drainage intercepting sewers to December 31, 1930.....				* 24.12
Grand total of common and intercepting sewers to December 31, 1930,				1,127.91
Total mileage of streets containing sewerage works to December 31, 1930,				647.65

* No additional lengths during year 1930.

**Summary of Sewer Construction for Five Years Previous to
December 31, 1930.**

	1926.	1927.	1928.	1929.	1930.
	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>
Built by city by contract or day labor.....	72,958.49	87,199.14	102,523.60	96,382.76	146,836.12
Built by private parties.	4,009.55	11,699.24	11,279.08	11,184.90	5,090.03
Totals.....	76,968.04	98,898.38	113,802.68	107,567.66	151,926.15

Table of Approximate Quantities, Lifts and Duties at Calf Pasture Pumping Station, from January 1, 1930, to December 31, 1930, Inclusive.

MONTH.	Total Gallons Pumped.	Average per Day, Gallons.	Minimum per Day, Gallons.	Maximum per Day, Gallons.	Average Lift, Feet.	AVERAGE DAILY DUTY IN MILLION FOOT-POUNDS.	
						Per Gallon of Oil.	Per Kilowatt Hour.
January.....	3,322,665,049	107,182,743	84,085,398	134,129,904	35.4	7.4	1.86
February.....	3,061,022,829	109,322,244	84,388,245	164,384,421	35.4	7.4	1.96
March.....	2,795,147,118	90,166,036	75,375,514	126,935,797	35.4	7.0	1.94
April.....	3,017,988,054	100,599,602	72,500,874	122,439,199	35.4	7.1	1.98
May.....	3,372,998,988	108,806,419	82,956,609	159,585,405	35.4	7.3	1.88
June.....	3,524,610,016	117,487,001	86,444,322	150,400,112	35.4	7.1	2.0
July.....	3,358,273,631	120,403,406	106,671,809	124,720,221	35.4	7.7	1.92
August.....	3,732,505,585	119,596,825	98,074,841	158,800,760	35.4	7.6	1.96
September.....	3,707,501,578	111,942,454	109,142,250	161,184,766	35.4	7.6	1.83
October.....	4,063,153,383	131,230,755	94,324,771	190,624,599	35.4	7.6	2.19
November.....	3,610,374,154	120,345,805	80,167,975	186,588,300	35.4	7.5	1.85
December.....	3,509,270,915	113,202,288	88,977,416	188,933,966	35.4	7.1	2.14
Total.....	41,080,511,300	112,549,346					
Averages.....					35.4	7.4	1.97

NOTES.— 26,271,266,800 gallons pumped by oil; 1,030,983 gallons of oil used.
14,809,244,500 gallons pumped by electric power; 2,405,900 kilowatt hours used for pumping and auxiliaries.
Figures are based on plunger displacement and on pump ratings, no allowance for slip.

Catch-basins in Charge of Sewer Division.

DISTRICTS.	CATCH-BASIN DATA FOR TWELVE MONTHS ENDED DECEMBER 31, 1930.			TOTAL FOR WHOLE CITY IN CHARGE OF SEWER DIVISION.	
	Number Built or Rebuilt.	Number Abandoned or Removed.	Net Increase.	Previous Report to January 1, 1930.	Grand Total to January 1, 1931.
City Proper.....	30	13	17	3,518	3,535
Roxbury.....	100	49	51	3,130	3,181
South Boston.....	56	26	30	1,345	1,375
East Boston.....	9	.....	9	982	991
Charlestown.....	7	.....	7	795	802
Brighton.....	74	.....	74	1,631	1,705
West Roxbury.....	134	.....	134	2,755	2,889
Dorchester.....	139	15	124	4,342	4,466
Hyde Park.....	42	4	38	537	575
Totals.....	591	107	484	19,035	19,519

Cost of Pumping at Calf Pasture Pumping Station January 1, 1930, to December 31, 1930, Inclusive.

ITEMS.	Cost.	Cost per Million Foot Gallons.
Labor.....	\$82,687 36	\$0.05686
Fuel oil, 1,030,883 gallons.....	34,475 79	.02371
Electric power, 2,405,900 K. W. hours.....	*33,738 40	.02320
Oils and waste.....	1,802 21	.00124
Rubber valves and packing.....	1,902 80	.00131
Miscellaneous supplies and renewals.....	11,570 62	.00796
Cleaning turbine wells ten times.....	7,770 00	.00534
Totals.....	\$173,947 18	\$0.11962
Labor at screens.....	8,344 16	.00574
Grand totals.....	\$182,291 34	\$0.12536

* This includes all power for auxiliaries and lighting.

**Amount of Refuse Removed from Gatehouse at Calf Pasture
Pumping Station, January 1, 1930, to December 31, 1930,
Inclusive.**

MONTH.	Number Cheeses.	Weight Pounds.
January.....	89	21,449
February.....	85	20,485
March.....	122	29,402
April.....	128	30,848
May.....	101	24,341
June.....	77	18,557
July.....	100	24,100
August.....	82	19,762
September.....	102	24,582
October.....	92	22,172
November.....	111	26,751
December.....	102	24,582
Totals.....	1,191	287,031

Cheese average 241 pounds.

**Sludge Deposited and Removed from Deposit Sewers at Calf
Pasture Pumping Station from January 1, 1930, to December
31, 1930, Inclusive.**

	North Sewer, <i>Cubic Yards.</i>	South Sewer, <i>Cubic Yards.</i>	Total, <i>Cubic Yards.</i>
Sludge in sewers January 1, 1930.....	1,355	791	2,146
Sludge deposited during year 1930.....	1,222	586	1,808
Totals.....	2,577	1,377	3,954
Sludge removed during year 1930.....	1,030	564	1,594
Sludge in sewers on January 1, 1931.....	1,547	813	2,360

APPENDIX F.

REPORT OF THE DIVISION ENGINEER OF
THE WATER DIVISION.

BOSTON, January 2, 1931.

To the Commissioner of Public Works.

The following report of the operation, income and expenditures of the Water Division for the year ending December 31, 1930, is respectfully submitted.

The marked decrease in building construction and property development during the year was reflected in the smallest total length of pipe laid for extension since 1921, the total length laid during the entire year being 4.2 miles. In districts the pipe lengths from 8-inch to 16-inch inclusive, were in East Boston, .5 mile; in Dorchester, .8 mile; in West Roxbury, 1.6 miles; in Hyde Park, .6 mile, and in Brighton, .3 mile.

The only long length of pipe laid was a length of 2,445 linear feet of 16-inch pipe in Bennington street, East Boston, between the Winthrop town line and Walley street. Previous to the laying of this pipe the Orient Heights Section had been supplied through one line of 12-inch pipe laid by the Metropolitan District Commission in 1898 through Winthrop. Cooperating with the Metropolitan Commission in the duplicating of their pipe line in Winthrop, this length of pipe is a continuation of the Metropolitan pipe to the Orient Heights Section, and the section is now safeguarded as to a continuous supply, etc.

Advantage was taken of the fact of the lessening of extension activities to improve the fire protection in some of the more densely populated sections of the city, and during the year 33,821 linear feet or 6.3 miles of 4-inch and 6-inch pipe laid fifty years or more were replaced with 8-inch, 12-inch and 16-inch pipes. Some of the longer lengths were:

CITY PROPER.

Chardon street, between Green and Portland streets, 684 linear feet of 6-inch relaid with 12-inch pipe.

Fayette street, between Broadway and Church street, 423 linear feet of 6-inch relaid with 10-inch pipe.

Brattle square, 395 linear feet of 6-inch relaid with 8-inch pipe.

Warrenton street, between Washington street and Shawmut avenue, 525 linear feet of 6-inch relaid with 8-inch pipe.

CHARLESTOWN.

Bunker Hill street, between Pearl and Baldwin streets, 2,059 linear feet of 8-inch relaid with 12-inch pipe.

ROXBURY.

Eustis street, between Harrison avenue and Dearborn street, 475 linear feet of 6-inch relaid with 12-inch pipe.

Alleghany street, between Parker and Pontiac streets, 704 linear feet of 6-inch relaid with 12-inch pipe.

DORCHESTER.

Olney street, between Richfield and Everton streets, 968 linear feet of 6-inch relaid with 12-inch pipe.

Gaylord street, between Washington and Chamberlain streets, 485 linear feet of 6-inch relaid with 8-inch pipe.

Linden street, between Adams street and Dorchester avenue, 723 linear feet of 6-inch relaid with 8-inch pipe.

Norwood street, between Tolman and Conley streets, 937 linear feet of 6-inch relaid with 10-inch pipe.

Oakland street, between Boyden and Lyford streets, 574 linear feet of 6-inch relaid with 8-inch pipe.

Arcadia street, between Adams and Draper streets, 719 linear feet of 6-inch relaid with 8-inch pipe.

King street, between Dorchester avenue and Adams street, 1,529 linear feet of 6-inch relaid with 12-inch pipe.

Oakland place, between Cummins Highway and Blue Hill avenue, 439 linear feet of 6-inch relaid with 8-inch pipe.

WEST ROXBURY.

Carolina avenue, between South and Call streets, 1,619 linear feet of 6-inch relaid with 12-inch pipe.

J. A. Andrew street, between Carolina avenue and Newbern street, 532 linear feet of 6-inch relaid with 12-inch pipe.

Newbern street, between J. A. Andrew and Elm streets, 395 linear feet of 6-inch relaid with 12-inch pipe.

Navarre street, between Brook street and Richards avenue, 436 linear feet of 6-inch relaid with 10-inch pipe.

HYDE PARK.

Thatcher street, between Irwin and Metropolitan avenues, 650 linear feet of 6-inch relaid with 12-inch pipe.

Huntington avenue, between River and Thatcher streets, 2,324 linear feet of 4-inch and 6-inch relaid with 8-inch pipe.

Beacon street, between Fairmount avenue and the Milton line, 2,394 linear feet of 4-inch and 6-inch relaid with 12-inch pipe.

BRIGHTON.

Alcott street, between Franklin and Mansfield streets, 532 linear feet of 6-inch relaid with 16-inch pipe.

Cambridge street, between Harvard avenue and Union square, 1,469 linear feet of 8-inch relaid with 12-inch pipe.

Franklin street, between North Harvard and Alcott streets, 1,919 linear feet of 8-inch relaid with 16-inch pipe.

Mansfield street, between Cambridge street and Coolidge road, 716 linear feet of 6-inch relaid with 16-inch pipe.

During the year 1,078 service pipes were installed, 844 of this number being $\frac{5}{8}$ inch in size, 171 being from 1 inch to 8 inches in size, and 63 were pipes installed to furnish sprinkler protection. In 1929, 1,576 services were installed against this year's number.

The regular work of the Distribution Branch, consisting of leak repairing, installing fire and service pipes, caring for complaints of stoppages in the older service pipes, shutting off and letting on water, etc., was performed in such manner and at such times as to provide a minimum of delay and discomfort to the water applicants, water takers and the general public. Practically all work in the business district is now done on Sundays and holidays to care for the above condition.

In compliance with the Legislative Act of 1907, there were set on old services in existence previous to 1907, 127 meters, and on new services 1,151 meters were set, making a total of 1,278 meters set during the

year. It had been assumed that all services had been metered at the end of 1929, but in checking up there developed 127 premises not metered. Total number of meters in the system at the end of the year 99,891. In addition to the installation of meters on new service pipes, 7,436 meters were changed and reset and 963 meters were repaired in service.

Collections of moneys for all purposes in the Water Division were \$4,969,706.59.

Very respectfully,

C. J. CARVEN,
Division Engineer.

FINANCIAL STATEMENT.

RECEIPTS.

Sales of water	\$4,838,322 94
Fees for summonses	8,934 80
Shutting off and letting on water for nonpayment	148 00
Miscellaneous	122,300 85
Gross income	\$4,969,706 59
Transferred to City Loan account to pay Hyde Park Water Debt	\$16,000 00
Transferred to credit of Collecting Department, Water Division	70,161 28
Transferred to appropriation for Service Mains and Relaying Mains	108 33
	86,269 61
Net income	\$4,883,436 98
Balance January 1, 1930	308,132 90
Total income available for Water Service	\$5,191,569 88

EXPENDITURES.

Current expenses and extensions	\$1,753,218 23
Interest on water loans	29,295 00
Payments on serial loans	214,000 00
Refunded water rates	892 33
Metropolitan water assessment	2,679,165 32
Total expenditures 1930	4,676,570 88
Balance December 31, 1930	<u>\$514,999 00</u>

APPROPRIATION FOR SERVICE MAINS AND RELAYING MAINS
(FROM INCOME).

Balance unexpended January 1, 1930	\$1,139 78
Transferred from appropriation for current expenses	108 33
Total appropriation	\$1,248 11
Expended during 1930	1,248 11
Balance December 31, 1930	<u>\$0,000 00</u>

APPROPRIATION FOR EXTENSION OF WATER MAINS (FROM LOANS).

Balance unexpended January 1, 1930	\$2,680 35
Expended during 1930	000 00
Balance December 31, 1930	<u>\$2,680 35</u>

Details of expenditures under appropriation for Water Service for the fiscal year 1930.

EXTENSION.			
Construction of new mains		\$106,207 44	
Replacement of old mains		148,123 05	
New hydrants		17,820 02	
Total extension			\$272,150 51

MAINTENANCE.			
Office and Engineer's Branch:			
Salaries and wages	\$65,189 37		
Traveling expenses	1,070 02		
Printing, stationery and postage	2,695 69		
Miscellaneous	1,393 46		
			\$70,348 54
Income Branch:			
Salaries and wages	\$173,968 38		
Traveling expenses	2,105 18		
Printing, stationery and postage	6,619 89		
Miscellaneous	4,441 22		
			187,134 67
Distribution Branch:			
Salaries and wages	\$53,460 46		
Traveling expenses	355 59		
Printing, stationery and postage	1,579 00		
Miscellaneous	4,412 99		
			59,808 04
Meter Branch:			
Salaries and wages	\$22,471 38		
Traveling expenses	19 40		
Printing, stationery and postage	369 86		
New meters and setting	23,340 26		
Meters, repairing, resetting and testing	59,444 44		
Shops	22,684 47		
Holiday	5,518 00		
Laborers' vacations	887 16		
Miscellaneous	1,148 73		
			135,883 70
Inspection of castings		8,620 28	
Yards		99,233 96	
Shops		28,517 12	
Damages		6,077 33	
Stables		3,314 71	
Tools and repairs		32,801 55	
Main pipe relocation		33,569 68	
Main pipe repairs		68,647 00	
Service pipes, new		62,395 71	
Service pipes, changes		25,628 27	
Service pipes, repairs		154,090 48	
Hydrant changes		80,076 81	
Hydrant repairs		70,674 37	
Carried forward		\$1,126,822 02	\$272,150 51

<i>Brought forward</i>	\$1,126,822 02	\$272,150 51
Water post, changes	498 94	
Water post, repairs	479 60	
Fountains, new	165 74	
Fountains, changes	383 58	
Fountains, repairs	3,009 57	
Fountains, on account of ice	2,705 41	
Holiday	77,997 44	
Investigations	1,815 21	
Off and on water	12,541 43	
Accommodation work	5,470 78	
Waste detection	1,225 47	
Work on account of Office and Engineer's Branch	1,944 27	
Work on account of Income Branch	459 57	
Work on account of Meter Branch	509 80	
Work on account of new meters	6,508 32	
Work on account of meter repairs	9,173 47	
Launch, repairs and supplies	251 00	
Veterans' pensions	4,093 68	
Laborers' pensions	7,107 32	
Laborers' vacations	23,939 39	
Workmen's compensation	2,191 57	
Emergency service	71,653 19	
Garage (municipal)	388 11	
Medical inspection	600 00	
Light and power	1,584 03	
Veterinary's services	125 00	
Harbor service	3,759 43	
Expert services	538 80	
Taxes	296 60	
Regulating water fixtures	6,509 33	
Automobiles	44,033 06	
Total maintenance	\$1,418,781 13	
Merchandise sold and stock consigned to junk	19,581 85	
Stock purchased	407,286 94	
	\$2,117,800 43	
Less stock used and disposed of	364,582 20	
Total expenditures from appropriation for Water Service	\$1,753,218 23	

Details of expenditures under appropriation for
Service Mains and Relaying Mains. (From revenue.)

Construction of new mains	\$748 11
Main pipe relocation	500 00
Total expenditures	<u>\$1,248 11</u>

APPROPRIATION FOR CONGRESS STREET BRIDGE.

Relaying water mains on account of bridge construction	<u>\$12,073 75</u>
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RESERVE FUND.

Expended for ice delivered to drinking fountains	<u>\$6,455 65</u>
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COST OF CONSTRUCTION AND CONDITION OF WATER DEBT.

Cost of construction December 31, 1930	\$22,120,073 88
Cost of construction December 31, 1929	21,847,175 26
Increase during the year	<u>\$272,898 62</u>
Outstanding loans December 31, 1929	\$768,000 00
Outstanding loans December 31, 1930	538,000 00
Decrease during the year	<u>\$230,000 00</u>
Cost of existing works December 31, 1930:	
Pipe yards and buildings	\$94 832 16
Engineering expenses	57,873 58
Distribution system (additions during year, \$272,898.62)	*21,499,368 14
Hyde Park Water Works	468,000 00
	<u>\$22,120,073 88</u>
High Pressure Fire System	<u>\$2,062,155 92</u>

* Includes \$85,121.50 expended for High Pressure Fire System Extension during the years 1925 and 1926.

Financial Transactions.

	1928.	1929.	1930.
Revenues:			
Receipts for water.....	\$4,099,044 58	\$4,506,159 24	\$4,838,322 94
All other receipts.....	215,744 96	119,385 04	131,383 65
Balance from previous year.....	57,131 80	54,370 24	308,132 90
Balance appropriation service mains account.....	26,269 00	1,129 78	1,139 78
Expenditures from revenue:		\$4,681,054 30	\$5,278,979 27
Current expenses and extensions.....	\$1,598,068 76	\$1,585,134 62	\$1,753,218 23
Metropolitan water assessment.....	2,384,682 69	2,459,496 77	2,679,165 32
Refunded water rates.....	701 28	395 53	892 33
Service mains and relaying mains.....	25,129 22		1,248 11
Collecting Department.....	56,543 37	58,229 70	70,161 28
		4,103,356 62	4,504,685 27
Balance available for interest and debt.....			
Expenditures on Debt Account:		\$577,697 68	\$774,294 00
Interest on water debt.....	\$47,555 00	\$38,425 00	\$29,295 00
Payment on Hyde Park water debt.....	16,000 00	16,000 00	16,000 00
Payment on serial loans.....	214,000 00	214,000 00	214,000 00
		268,425 00	259,295 00
Balance year's operations, exclusive of loans.....			
	* \$55,510 02	* \$309,272 68	\$514,999 00

* Includes (\$1,139.78) balance of appropriation for service mains and relaying mains.

Financial Transactions.—Concluded.

	1928.			1929.			1930.		
Loan Account:									
Debt outstanding first of year.....	\$1,228,000 00	.....	.....	\$998,000 00	.....	.....	\$768,000 00	.....	.....
Loans paid during year.....			\$1,228,000 00	.....	\$998,000 00	.....	.....	.....	\$768,000 00
Debt end of year (all serial bonds).....			230,000 00	.....	230,000 00	.....	.....	.....	230,000 00
			\$998,000 00	.....	\$768,000 00	.....	.....	.....	\$538,000 00
Construction Account from Loans:									
Balance first of year extension of water mains.....	\$156,041 91	.....	.....	\$5,880 35	.....	.....	\$2,680 35	.....	.....
Balance first of year, laying and relaying street water mains.....	6,580 18	.....	.....	.....	.....	.....	.....	.....	\$2,680 35
Total available.....	.....	.....	\$162,622 09	.....	\$5,880 35	.....	.....	.....	.....
Expended for construction, extension of water mains.....	\$150,161 56	.....	.....	\$3,200 00	.....	.....	.....	.....	.....
Expended for construction, laying and relaying street water mains.....	6,580 18	.....	156,741 74	.....	3,200 00	.....	.....	.....	.....
Balance unexpended, end of year.....	.....	.....	\$5,880 35	.....	\$2,680 35	.....	.....	.....	\$2,680 35
Total New Construction:									
From revenue extension.....	\$175,665 32	.....	.....	\$200,071 24	.....	.....	\$272,150 51	.....	.....
From revenue, service mains.....	21,361 05	.....	.....	.....	.....	.....	748 11	.....	.....
From loans, extension of water mains.....	150,161 56	.....	.....	3,200 00	.....	.....	.....	.....	.....
From loans, laying and relaying street water mains.....	6,580 18	.....	\$353,768 11	.....	\$203,271 24	.....	.....	.....	\$272,898 62
Cost of construction, end of year.....	\$21,643,904 02	.....	.....	\$21,847,175 26	.....	.....	\$22,120,073 88	.....	.....
Cost of construction, first of year.....	21,290,135 91	.....	.....	21,643,904 02	.....	.....	21,847,175 26	.....	.....
Increase in plant cost during year.....	.....	.....	\$353,768 11	.....	\$203,271 24	.....	.....	.....	\$272,898 62

INCOME BRANCH.

Statement of Each Year's Water Rates, 1912 to 1930, as of December 31, 1930.

YEAR.	Assessments to December 31.	Abatements to December 31.	Collections to December 31.	Outstanding December 31, 1930.
1912.....	\$3,001,771 87	\$58,369 39	\$2,943,402 48	
1913.....	3,004,331 52	50,147 90	2,954,183 62	
1914.....	3,034,885 83	64,653 01	2,970,232 82	
1915.....	2,960,797 45	57,782 09	2,903,015 36	
1916.....	3,130,590 53	67,771 69	3,062,818 84	
1917.....	3,120,878 86	77,353 75	3,043,525 11	
1918.....	3,359,714 95	162,415 52	3,197,299 43	
1919.....	3,210,147 91	95,812 76	3,114,335 15	
1920.....	3,503,677 88	123,509 90	3,380,167 98	
1921.....	3,615,663 51	90,946 23	3,524,717 28	
1922.....	3,612,715 51	90,453 27	3,522,262 24	
1923.....	3,817,556 92	77,449 02	3,740,107 90	
1924.....	3,832,531 26	43,473 15	3,783,003 28	\$6,054 83
1925.....	3,875,434 21	39,024 22	3,838,726 26	7,683 73
1926.....	3,910,119 54	44,332 09	3,857,499 90	8,287 55
1927.....	3,978,598 57	42,441 70	3,907,484 52	28,672 35
1928.....	4,417,944 63	32,654 32	4,328,748 86	56,541 45
1929.....	5,015,609 06	35,474 83	4,834,681 44	145,452 79
1930.....	* 4,860,274 54	7,435 78	3,189,224 09	* 1,663,614 67

* Includes \$1,102,873.38 in 1930, fourth quarter bills issued December 31, 1930.

METER BRANCH.

Table No. 1. Statement of Work During Year 1930.

MAKE.	New Sets.	Discontinued.	CHANGES.		Tested.	Repaired in Shop.	Repaired in Service.	Resets.
			Out.	In.				
Hersey disc.....	776	273	3,796	5,518	8,192	3,954	416	280
Worthington disc.....	29	52	1,126	676	1,268	813	87	24
Watch dog.....	451	185	1,614	2,138	3,396	2,485	234	101
King.....	1	73	1,556	44	1,426	7	111	1
Hersey detector.....	13	2	3	3	.....	.....	39	
Hersey rotary.....	.....	6	54	5	41	.....	14	
Crown.....	.....	9	87	2	76	.....	9	
Federal.....	.....	.....	80	.....	40	.....	17	
American.....	2	10	143	130	260	144	19	9
Lambert.....	.....	3	44	19	38	23	3	2
Nash.....	4	5	46	20	40	2	5	1
Keystone.....	.....	1	16	11	22	2	.....	1
Trident.....	1	2	12	13	25	6	3	
Hersey compound.....	1	.....	1	1	2	.....	6	
Empire.....	.....	.....	2	.....	1			
Totals.....	1,278	621	8,580	8,580	14,827	7,436	963	419

Table No. 2.
Meters in Service December 31, 1930.

MAKE.	DIAMETER IN INCHES.											Totals.
	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	8	10	12	
Hersey disc.....	44,764	3,138	1,491	806	326	131	85	7	.....	.....	.....	50,748
Worth disc.....	8,554	13	32	29	73	4	1	.....	.....	.....	.....	8,706
Watch dog.....	22,835	957	1,043	695	429	257	66	.....	.....	.....	.....	26,262
King.....	7,554	281	25	32	31	.....	.....	.....	.....	.....	.....	7,923
Hersey detector.....	.....	.....	.....	.....	.....	3	34	51	26	23	2	139
Hersey rotary.....	346	275	151	129	147	51	22	15	.....	.....	.....	1,136
Crown.....	282	376	114	98	116	38	32	5	.....	.....	.....	1,061
Federal.....	1,097	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,097
American.....	934	388	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,322
Lambert.....	241	87	64	5	16	.....	4	.....	.....	.....	.....	417
Nash.....	244	94	54	23	.....	.....	.....	.....	.....	.....	.....	415
Keystone.....	166	160	17	1	2	1	6	1	.....	.....	.....	354
Trident.....	155	6	6	3	13	7	3	2	2	.....	.....	197
Empire.....	91	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	91
Hersey compound.....	.....	.....	.....	.....	.....	1	9	13	.....	.....	.....	23
Totals.....	87,263	5,775	2,997	1,821	1,153	473	262	94	28	23	2	99,891

Table No. 3.
Meters Applied in 1930.

MAKE.	DIAMETER IN INCHES.									Totals.
	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	8	
Watch dog.....	386	3	13	11	16	17	5	.....	.....	451
Hersey disc.....	665	13	29	31	23	8	7	.....	.....	776
Nash.....	.....	.....	1	3	.....	.....	.....	.....	.....	4
Worth disc.....	27	.....	.....	.....	1	1	.....	.....	.....	29
Hersey compound.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Hersey detector.....	.....	.....	.....	.....	.....	.....	5	6	2	13
Trident.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
American.....	2	.....	.....	.....	.....	.....	.....	.....	.....	2
King.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Totals.....	1,081	17	43	45	40	26	18	6	2	1,278

On old services.....	127
On new services.....	1,151
Total.....	1,278

DISTRIBUTION BRANCH.

Table No. 1.

Showing Length of Water Pipes and Connections Owned and Operated by the Public Works Department, Water Division (Water Service), and Number of Valves in Same, December 31, 1930.

MAKE.	DIAMETER OF PIPES IN INCHES.															Totals.	
	48.	42.	40.	36.	30.	24.	20.	16.	14.	12.	10.	8.	6.	4.	3.		2.
Length owned and operated December 31, 1929	20,600	15,980	16,081	43,780	90,543	84,641	86,582	295,218	5,041	1,654,052	447,512	1,039,570	1,111,485	81,524	9,442	6,509	5,008,560
Gate valves in same	17	4	9	20	56	80	73	684	19	4,461	1,514	3,649	3,554	567	16	16	14,739
Air valves in same	35	5	9	34	109	79	42	81	.....	50	1	3	1	.....	1	.....	450
Blow-offs in same	5	4	3	11	33	30	47	70	.....	166	42	149	138	60	7	2	767
Length laid and relaid during 1930 . . . . .	.....	.....	.....	.....	.....	.....	25	3,594	.....	24,536	2,012	22,958	621	273	581	.....	54,600
Gate valves in same . . . . .	.....	.....	.....	.....	.....	.....	.....	14	.....	115	16	112	16	8	.....	.....	281
Air valves in same . . . . .	.....	.....	.....	.....	.....	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	4
Blow-offs in same . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	9	.....	3	4	.....	20
Length abandoned during 1930 . . . . .	.....	.....	.....	.....	.....	.....	25	417	.....	7,289	1,991	7,528	20,600	2,224	.....	.....	40,074
Gate valves in same . . . . .	.....	.....	.....	.....	.....	.....	.....	1	1	14	5	20	69	11	.....	.....	121
Air valves in same . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Blow-offs in same . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	1	4	.....	.....	.....	.....	12
Length owned and operated December 31, 1930	20,600	15,980	16,081	43,780	90,543	84,641	86,582	298,395	5,041	1,671,299	447,533	1,055,000	1,091,506	79,573	10,023	6,509	5,023,086
Gate valves in same	17	4	9	20	56	80	73	697	18	4,562	1,525	3,741	3,501	564	16	16	14,899
Air valves in same	35	5	9	34	109	79	42	83	.....	52	1	3	.....	.....	1	.....	453
Blow-offs in same	5	4	3	11	33	30	47	70	.....	163	41	154	138	63	11	2	775

951.34 miles in system.

Table No. 2.

Total Number of Hydrants in System December 31, 1930.

	Lowry.	Boston Lowry.	Boston Post.	Ordinary Post.	Bachelder and Finneran Post.	Ludlow Post.	Chapman Post.	Coffin Post.	Matthews Post.	Boston.	Totals.
Brighton (public).....	11	33	263	482	241	.....	.....	.....	.....	11	1,041
" (private).....	.....	.....	.....	8	.....	.....	.....	.....	.....	2	10
Charlestown (public).....	64	19	138	56	69	.....	.....	.....	.....	2	348
" (private).....	13	1	.....	37	.....	.....	.....	.....	.....	5	56
City proper (public).....	431	33	451	238	312	.....	.....	.....	.....	51	1,516
" (private)	5	.....	9	3	2	.....	.....	.....	.....	38	57
Dorchester (public).....	122	104	645	1,081	553	.....	.....	.....	.....	14	2,519
" (private).....	1	1	9	.....	2	.....	.....	.....	.....	4	17
East Boston (public).....	18	14	181	219	99	.....	.....	.....	.....	5	536
" (private).....	8	1	.....	9	.....	.....	.....	.....	.....	25	43
Hyde Park (public).....	.....	.....	8	311	207	5	84	1	.....	.....	616
" (private).....	.....	.....	.....	.....	.....	13	55	.....	4	.....	72
Roxbury (public).....	157	45	355	300	667	.....	.....	.....	.....	13	1,537
" (private).....	2	1	3	4	.....	.....	.....	.....	.....	9	19
South Boston (public).....	58	16	226	177	167	.....	.....	.....	.....	14	658
" (private).....	4	1	.....	15	.....	.....	.....	.....	.....	27	47
West Roxbury (public).....	12	139	467	1,010	498	.....	.....	.....	.....	13	2,139
" (private).....	.....	.....	.....	15	1	.....	.....	.....	.....	1	17
Deer Island (private).....	.....	.....	1	19	.....	.....	.....	.....	.....	.....	20
Gallup's Island (private).....	.....	.....	.....	3	.....	.....	.....	.....	.....	1	4
Long Island (private).....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	6
Rainsford Island (private).....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	3
Thompson's Island (private)....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	2
Quincy.....	.....	.....	.....	9	.....	.....	.....	.....	.....	.....	9
Total number (public).....	873	403	2,734	3,874	2,813	5	84	1	.....	123	10,910
Total number (private and suburban).....	33	5	22	133	5	13	55	.....	4	112	382

Cost of Extension of Main Pipe.

STREET.	Location.	District.	Size (Inch.)	Feet.	Cost of Department Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Barry park.....	From 12 Barry street.....	Dorchester.	3	149	\$254 24	\$411 50	\$35 15	\$700 89	Private, gravel and rock.
Liverpool avenue.....	From Liverpool street.....	East Boston.	{ 3 4	123 16	287 70	544 50	.....	832 20	Private, under construction.
White Street place.....	From White street.....	East Boston.	3	134	240 17	474 77	.....	714 94	Private, clay and gravel.
Elmore park.....	From Elmore street.....	Roxbury.	3	175	262 84	520 50	5 03	788 37	Private, gravel.
	Totals.....	.....	{ 3 4	581 16	\$1,044 95	\$1,951 27	\$40 18	\$3,036 40	
Chiswick Road West.....	Between Chiswick terrace and Kirkwood street.	Brighton.	{ 4 8	95 27	\$307 00	\$200 00	\$14 06	\$521 06	Private, sandy fill.
Chiswick terrace.....	From Chiswick road.....	Brighton.	8	1					
Comins terrace.....	From Bower street.....	Roxbury.	4	162	254 09	206 85	23 73	484 67	Private, macadam.
	Totals.....	.....	{ 4 8	257 28	\$561 09	\$406 55	\$37 79	\$1,005 73	
Adelaide terrace.....	From Adelaide street.....	West Roxbury.	6	122	\$313 61	\$212 52	\$57 75	\$583 88	Private, clay and rock.
Willoughby street.....	Between Rogers Park avenue and Taylor street.	Brighton.	8	68	89 16	107 59	.....	196 75	Private, filled land.
Eaton street.....	Between Sorrento and North Harvard streets.	Brighton.	8	24	34 03	42 03	.....	76 06	Private, gravel.
Brock street.....	From Oakland street.....	Brighton.	8	73	276 60	128 50	11 44	416 54	Private, sandy fill.
Undine road.....	From Lake street.....	Brighton.	8	170	385 39	262 36	28 92	676 67	Private, hard pan.
Troy street.....	Between Harrison avenue and Albany street.	City Proper.	8	92	95 71	184 00	7 91	287 62	Public, granite block.
Water street.....	Between Post Office square and Kilby street.	City Proper.	8	44	52 95	222 75	9 67	285 37	Public, asphalt.

Bertram street.....	Between Old Colony Parkway and Neponset avenue.	Dorchester.	8	134	160 74	134 90	7 03	302 67	Public, gravel.
Cushing Hill road.....	At Milton street.....	Dorchester.	8	21	24 07	40 85	4 39	69 31	Public, gravel.
Sharp street.....	Between Allston street and Dorchester Tunnel.	Dorchester.	8	179	306 82	366 79	43 94	717 55	Public, under construction.
Rosserlin street.....	Between Gustine and Train streets.	Dorchester.	8	147	452 33	218 30	16 70	687 33	Private, elay.
Claymont terrace.....	From Neponset avenue.....	Dorchester.	8	122	162 14	188 02	8 79	358 95	Private, gravel.
Delmont street.....	From Charlemont street.....	Dorchester.	8	169	509 83	295 74	6 75	812 32	Private, gravel.
Charlemont street.....	Between Delmont and Franconia streets.	Dorchester.	8	24					
Minot place.....	Between Gallivan Boulevard and Minot street.	Dorchester.	8	129	150 52	155 45	14 06	320 03	Private, filled land.
Arbella street.....	From Gallivan Boulevard.....	Dorchester.	8	210	614 78	487 87	14 06	1,116 71	Private, hard pan and ledge.
Gallivan Boulevard.....	Between Wilmington and Vera streets.	Dorchester.	8	617	1,070 63	1,392 26	63 27	2,526 16	Public highway, clay.
Minton street.....	Between Savin Hill avenue and Melvinside terrace.	Dorchester.	{ 6 8	{ 9 143	276 26	202 10	28 12	506 48	Private, gravel.
Cushing Hill road.....	Between Milton street and Gallivan Boulevard.	Dorchester.	8	241	555 69	212 85	9 20	777 74	Private, elay.
Druid street.....	From Gallivan Boulevard.	Dorchester.	8	194	272 55	527 89	22 08	822 52	Private, elay and rock.
O'Connell road.....	From Washington street.....	Dorchester.	8	483	917 85	845 11	70 30	1,833 26	Private, ash-filled and clay.
Deforest street.....	Between West street and Asheville road.	Hyde Park.	8	309	549 62	364 00	28 75	942 37	Private, elay.
Farrar avenue.....	From Wood avenue.....	Hyde Park.	8	425	819 19	760 36	74 75	1,654 30	Private, hard pan and rock.
Sherrin street.....	From Magee street.....	Hyde Park.	8	365	722 20	602 74	92 00	1,416 94	Private, rock and sand.
Irwin avenue.....	At Thatcher street.....	Hyde Park.	8	9	37 53	8 55	1 76	47 84	Private, elay.
Carried forward.....		.....	{ 6 8	{ 9 4,392	\$8,536 59	\$7,751 01	\$563 89	\$16,851 49	

Cost of Extension of Main Pipe.— Continued.

STREET.	Location.	District.	Size (Inch.)	Feet.	Cost of Department Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
	<i>Brought forward</i>.....	.....	{ 6 8 9 } 4,392	9	\$8,536 59	\$7,751 01	\$563 89	\$16,851 49	
Mahoney road.....	From East Milton street.....	Hyde Park.	8	49	151 75	80 45	.....	232 20	Private, sand.
Draper road.....	From East Milton street.....	Hyde Park.	8	51	157 65	140 83	.....	298 48	Private, hard pan.
Jalleison street.....	From Navarre street.....	Hyde Park.	8	24	207 98	56 50	7 03	271 51	Private, stony clay.
Brook street.....	From Navarre street.....	Hyde Park.	8	29					
Norris road.....	From Metropolitan avenue.....	Hyde Park.	8	306	624 76	357 40	22 09	1,004 25	Private, clay.
Farwell avenue.....	From Summit street.....	Hyde Park.	8	199	573 36	310 78	50 61	934 75	Private, clay.
Farrar avenue.....	Between Wood avenue and Ruskin road.	Hyde Park.	8	24	36 39	94 47	.....	130 86	Private, hard pan and rock.
Glenwood avenue.....	Over Neponset River Bridge	Hyde Park.	8	375	680 71	1,083 93	91 39	1,856 03	Public, macadam.
Seminole street.....	From Cummins Highway.....	Hyde Park.	8	119	330 79	190 98	49 21	570 98	Public, clay and rock.
Cranford street	Between Basswood and Floydell streets.	Roxbury.	8	88	333 93	439 98	.....	773 91	Private, macadam.
Floydell street.....	From Cranford street.....	Roxbury.	6	29					
Frawley street.....	Between Hillside and Stockwell streets.	Roxbury.	8	262	408 16	826 20	102 35	1,336 71	Public, under construction.
Parley avenue.....	From Parley road and Centre street,	West Roxbury.	8	96	110 59	144 00	8 39	262 98	Private, filled land.
Dwinell street.....	Across Lyall street.....	West Roxbury.	8	188	303 65	215 05	12 78	531 48	Private, gravel.
Lasell street.....	Between Caspar and Lyall streets,	West Roxbury.	8	385	759 44	565 30	70 29	1,395 03	Private, gravel.
Chellman street.....	From Lasell street.....	West Roxbury.	8	13					
Sunset Hill park.....	From Sunset Hill road.....	West Roxbury.	8	114	364 24	207 11	16 70	588 05	Private, clay.
Oakdale avenue.....	From Washington street.....	West Roxbury.	8	252	583 01	880 15	214 42	1,677 58	Private, rock.

Dent street.....	Between Glenham and Lasell streets	West Roxbury.	8	264	516 98	313 90	47 00	877 88	Private, elay.
Gloria road.....	From Centre street.....	West Roxbury.	8	361	760 73	284 50	28 12	1,073 35	Private, filled land.
Wycliff avenue.....	Between Baker and Gardner streets,	West Roxbury.	8	294	311 84	220 50	14 06	546 40	Public, sand.
Montclair avenue.....	Between Merlin and Fletcher streets.	West Roxbury.	8	411	791 62	393 48	133 57	1,318 67	Private, elay.
Cottage road.....	Between Centre street and Cherry road.	West Roxbury.	8	853	1,730 02	1,713 04	284 17	3,727 23	Private, elay and ledge.
Cypress street.....	Between Beech and Walworth streets.	West Roxbury.	8	267	543 99	241 78	32 63	818 40	Private, loamy elay.
Cushing street.....	Between Baker and Barnes streets,	West Roxbury.	8	24	25 14	70 00	3 72	98 86	Private, gravel and sand.
Chisholm terrace.....	From Poplar street.....	West Roxbury.	8	307	719 77	318 87	25 40	1,064 04	Private, elay.
Chisholm road.....	From Chisholm terrace.....	West Roxbury.	8	44					
Buchanan road.....	From Centre street.....	West Roxbury.	8	399	690 70	559 14	86 16	1,336 00	Private, clay and ledge.
Holton street.....	From Bellevue street.....	West Roxbury.	8	430	778 17	402 85	28 92	1,209 94	Public, macadam.
Dwinell street.....	Between Lyall and La Grange streets.	West Roxbury.	8	124	450 46	225 00	36 15	711 61	Private, gravel.
Dwinell street.....	Between Lyall and Corey streets....	West Roxbury.	8	76					
Souter street.....	From Centre street.....	West Roxbury.	8	699	1,230 26	634 81	104 99	1,970 06	Private, clay and gravel.
Meshaka street.....	From Washington street.....	West Roxbury.	8	48	54 80	102 18	7 23	164 21	Private, rock and sand.
Spring road.....	Between Overlook and Camp roads,	West Roxbury.	8	251	559 92	1,051 57	28 32	1,639 81	Private, ledge.
Prentiss road.....	From La Grange street.....	West Roxbury.	8	331	676 06	340 83	27 32	1,044 21	Private, loamy sand.
Lee street.....	From Carolina avenue.....	West Roxbury.	8	33	128 88	40 92	3 52	173 32	Private, sandy.
Dwinell street.....	Between Worley and Lyford streets,	West Roxbury.	8	69	148 32	130 75	33 12	312 19	Private, clay.
Varrick road.....	From Sanborn avenue.....	West Roxbury.	8	48	56 08	82 50	7 23	145 81	Private, sand.
Rumford road.....	From Sanborn avenue.....	West Roxbury.	8	9	32 12	11 16	1 76	45 04	Private, sand.
					} \$24,368 86	\$20,481 92	\$2,142 54	\$46,993 32	
Carried forward.....									9	11,337
					{	6	8		

Cost of Extension of Main Pipe.—Continued.

STREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Libbey street.....	<i>Brought forward</i>.....	.....	{ 6 8	9 11,337	\$24,368 86	\$20,481 92	\$2,142 54	\$46,993 32	
	From Vermont street.....	West Roxbury.	8	401	760 34	430 00	36 15	1,226 49	Private, sand filled.
	Totals.....	.....	{ 6 8	9 11,738	\$25,129 20	\$20,911 92	\$2,178 69	\$48,219 81	
Gustine street.....	Between Spaulding and Rosslerin streets.	Dorchester.	10	218	\$311 31	\$227 85	\$14 86	\$554 02	Private, clay.
Colonial path.....	Between Colonial and Nottingham roads.	Brighton.	12	198	412 06	269 74	83 07	764 87	Private, filled land.
Everett street extension ..	From Western avenue.....	Brighton.	12	47	330 54	43 35	.....	373 89	Public, gravel and sand.
Everett street extension ..	Between Western avenue and Soldiers Field road.	Brighton.	12	515	1,477 32	730 39	47 97	2,255 68	Public, filled sand.
Colonial road.....	Between Monastery and Blenford roads.	Brighton.	12	314	887 44	810 38	48 37	1,746 19	Private, filled land.
Lake Shore road.....	From Lake street.....	Brighton.	12	128	397 59	192 96	36 15	626 70	Private, ash filled.
Gallivan Boulevard.....	Between Granite and Neponset avenues.	Dorchester.	12	531	942 89	507 49	19 05	1,469 43	Public, gravel.
Athlone avenue.....	From Gallivan Boulevard.....	Dorchester.	12	448	1,376 58	771 86	56 56	2,205 00	Private, clay filled.
Almont street.....	Between Blue Hill and Savannah avenues.	Dorchester.	12	304	961 29	747 80	93 05	1,802 14	Public, clay.
Porter street.....	Over Boston & Albany Railroad Bridge.	East Boston.	12	102	668 32	466 54	.....	1,134 86	Public highway.
Thatcher street.....	Between Wood avenue and Bradlee street.	Hyde Park.	12	153	271 45	266 24	25 41	563 10	Private, clay and ledge.

[illegible]

Cost of Replacement of Main Pipe.

STREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspec- tion.	Total Cost.	Original Size. (Inch.)	Remarks.
Jefferson street.....	Between Fayette and Tremont streets.	City Proper.	6	124	\$575 21	\$155 80	\$13 18	\$744 19	4	Granite block and concrete base.
Chappie street.....	At Bunker Hill street.....	Charlestown.	6	7	7 75	9 10	6 40	23 25	6	Public, macadam.
St. Martin street.....	At Bunker Hill street.....	Charlestown.	6	7	7 75	9 10	1 60	18 45	6	Public, macadam.
Edith street.....	From Beacon street.....	Hyde Park.	6	4	4 26	4 60	1 76	10 62	6	Public, macadam.
Vose avenue.....	At Beacon street.....	Hyde Park.	{ 6 8 }	{ 4 3 }	13 16	6 90	88	20 94	6	Public, macadam.
Washington place.....	From Roxbury street.....	Roxbury.	6	232	345 40	223 79	21 09	590 28	4	Public, under construction.
	Totals.....	.....	{ 8 6 }	{ 3 378 }	\$953 53	\$409 29	\$44 91	\$1,407 73		
Brentwood street.....	From Franklin street.....	Brighton.	8	58	\$148 99	\$75 25	\$7 03	\$231 27	6	Public, sand.
Franklin street.....	Between Hawley and Arch streets.	City Proper.	8	274	1,566 96	447 76	24 61	2,039 33	6	Public, granite block, concrete base.
Brattle square.....	Between Brattle and Elm streets..	City Proper.	8	278	1,602 72	561 27	4833	2,212 32	{ 4 8 }	{ Public, asphalt. Public, granite block, concrete base.
Warrenton street.....	Between Washington street and Shawmut avenue.	City Proper.	8	525	2,086 80	796 93	59 76	2,943 49	6	Public, asphalt.
Draper street.....	Between Arcadia and Westville streets.	Dorchester.	8	266	431 82	453 46	20 24	905 52	6	Public, macadam.
Arcadia street.....	Between Adams and Draper streets,	Dorchester.	8	719	1,113 50	1,345 45	69	2,459 64	6	Public, macadam.
Oakhurst street.....	Between Boyden and Lyford streets.	Dorchester.	8	574	1,291 22	887 68	59 75	2,238 65	6	Public, under construction.

Linden street.....	{ 6 8	Dorchester.	Between Dorchester avenue and Adams street.	6 723	1,552 45	1,085 28	63 27	2,701 00	6	Public, macadam.
Melbourne street.....	8	Dorchester.	At Brent street.....	22	104 00	12 01	.....	216 01	8	Public, macadam
Gaylord street.....	8	Dorchester.	Between Washington and Chamberlain streets.	485	1,158 40	887 08	84 36	2,129 84	6	Public, macadam.
Outlook road.....	8	Dorchester.	At Ormond street.....	11	104 58	66 00	7 03	177 61	8	Public, under construction.
Chester street.....	8	Hyde Park.	From East Milton street.....	63	294 48	238 12	.....	532 61	6 4	Private, macadam.
Hamilton street.....	8	Hyde Park.	From East Milton street.....	65	333 85	122 25	.....	456 10	6 4	Private, macadam.
Huntington avenue.....	8	Hyde Park.	Between River and Thatcher streets.	2,285					6	
Safford street.....	6 8	Hyde Park.	At Huntington avenue.....	3 3	4,882 73	4,074 81	189 81	9,147 35	6	Public, rock and sand.
Westminster street.....	12	Hyde Park.	At Huntington avenue.....	3					6	
Navarre street.....	{ 10 8	Hyde Park	Between Brooks street and Richards avenue.	4 432	960 35	1,132 20	49 21	2,141 76	6	Public, clay and ledge.
Bradlee street.....	8	Hyde Park.	From Thatcher street.....	16	104 60	19 43	7 03	137 06	6	Private, boulders and clay.
Pleasant street.....	8	Hyde Park.	From Beacon street.....	33	96 23	37 95	1 76	135 94	4	Public, clay and macadam.
Milton avenue.....	8	Hyde Park.	From Beacon street.....	21	81 55	25 30	1 76	108 61	6	Public, clay and macadam.
New Bedford street.....	{ 6 8	Hyde Park.	From Beacon street.....	4 19	81 61	26 45	3 52	111 58	6	Public, clay and macadam.
Albion street.....	8	Hyde Park.	From Beacon street.....	23	87 84	26 45	3 52	117 81	4	Public, clay and macadam.
Warren avenue.....	8	Hyde Park.	Both sides of Beacon street.....	48	174 69	55 20	3 52	233 41	4	Public, clay and macadam.
Mall street.....	8	Roxbury.	From Eustis street.....	25	106 44	27 75	11 42	145 61	6	Public, under construction.
Palmer street.....	8	Roxbury.	At Eustis street.....	50	123 43	52 50	8 79	184 72	6	Public, under construction.
Stockwell street.....	8	Roxbury.	At Frawley street.....	12	24 49	.....	.....	24 49	8	Public, macadam.
Carried forward.....				{ 6 8	\$19,053 83	\$12,777 16	\$681 00	\$32,511 99		

Cost of Replacement of Main Pipe.—Continued.

STREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Original Size. (Inch.)	Remarks.
	<i>Brought forward</i>		{ 6 8 10 12 }	25 7,272 4 3	\$19,053 83	\$12,777 16	\$681 00	\$32,511 99		
Leeds street.....	Across Dorchester avenue.....	South Boston.	{ 6 8 }	3 46	112 30	41 16	5 52	158 98	6	Public, granite block and concrete base.
Woodward street.....	Across Dorchester avenue.....	South Boston.	{ 6 8 }	3 48	85 76	42 84	3 28	131 88	6	Public, granite block and concrete base.
Middle street.....	Across Dorchester avenue.....	South Boston.	{ 6 8 }	3 49	128 93	41 16	3 28	173 37	6	Public, granite block and concrete base.
Damrell street.....	Across Dorchester avenue.....	South Boston.	8	53	128 60	41 16	9 83	179 59	8	Public, granite block and concrete base.
Wooley street.....	At Dwinell street.....	West Roxbury.	8	31	84 51	54 25	3 68	142 44	6	Private, clay.
Willowdean avenue.....	Between Cranston and Hollywood roads.	West Roxbury.	{ 12 8 }	23 81	49 31	559 35	67 16	675 82	{ 8 12 }	Public, gravel.
	Totals.....		{ 6 8 10 12 }	25 7,353 4 26	\$19,103 14	\$13,336 51	\$748 16	\$33,187 81		
Fayette street.....	Between Broadway and Church street.	City Proper.	10	423	\$1,662 28	\$654 94	\$43 06	\$2,360 28	6	Public, wood block.
Auburn street.....	At Bunker Hill street.....	Charlestown.	10	7	8 68	9 10	3 20	20 98	10	Public, macadam.
Norwood street.....	Between Tolman and Conley streets,	Dorchester.	10	766	1,912 74	1,437 97	63 27	3,413 98	{ 6 10 }	Public, macadam and gravel.
Hyde Park avenue.....	At East Milton street.....	Hyde Park.	10	55	426 59	127 38	.....	553 97	6	Public, macadam.
Clifford street.....	At East Milton street.....	Hyde Park.	{ 6 10 }	4 24	296 76	166 06	.....	462 84	4	Public, macadam.

Schiller road.....	From Rockland road.....	West Roxbury.	10	288	581 72	563 08	8 75	1,153 55	10	Private, clay and macadam.
Pearl street.....	At Bunker Hill street.....	Charlestown.	{ 10 12 }	20 20	403 79	58 00	14 06	475 85	{ 10 12 }	Public, macadam.
	Totals.....	.....	{ 6 10 12 }	4 1,603 20	{ 5,292 56 \$3,016 53 }		\$132 34	\$8,441 43		
Cambridge street.....	Between Harvard avenue and Union square.	Brighton.	12	1 426	\$3,722 72	\$2,013 42	\$126 54	\$5,952 68	8	Public, bitulithic.
Chardon street.....	Between Portland and Green streets.	City Proper.	12	684					{ 8 8 }	
Hawkins street.....	From Chardon street.....	City Proper.	12	77	2,424 31	2,089 25	231 99	4,745 55	8	Public, granite block and concrete base.
Bowker street.....	From Chardon street.....	City Proper.	8	30					6	
South street.....	Near Harvard street.....	City Proper.	12	28	570 40	323 00	....	893 40	12	Public, granite block and concrete base.
King street.....	Between Dorchester avenue and Adams street.	Dorchester	12	1,528					{ 6 6 }	Public, macadam.
Florida street.....	At King street.....	Dorchester	8	21	4,956 77	2,776 45	173 85	7,907 07	6	
River street.....	Between Duxbury road and Mattapan square.	Dorchester.	12	1,070	2,732 91	1,594 02	66 24	4,393 17	12	Public, under construction.
Fremont street.....	At River street.....	Dorchester.	12	60	291 22	111 66	14 72	417 60	8	Private, stony clay.
Lyon street.....	Between Dorchester avenue and Adams street.	Dorchester.	12	204	802 13	418 74	23 73	1,244 60	6	Public, macadam.
Olney street.....	Between Richfield and Everton streets.	Dorchester.	12	968					{ 6 8 }	Public macadam.
Blakeville street.....	From Olney street.....	Dorchester.	8	36	3,247 00	3,307 03	197 72	6,751 75	8	
Thatcher street.....	Between Metropolitan and Huntington avenues.	Hyde Park.	12	390	1,181 38	836 03	21 09	2,038 50	6	Public, ledge and sand.
	Carried forward.....	.....	{ 6 8 }	6 218	{ \$44,807 31 \$23,506 57 }		\$1,590 54	\$69,904 32		

Cost of Replacement of Main Pipe.— Concluded.

STREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Original Size. (Inch.)	Remarks.
	<i>Brought forward</i>		{ 2 8 }	6 218	\$44,807 31	\$23,506 47	\$1,590 54	\$69,904 32		
Thatcher street.....	Between Huntington and Irwin avenues.	Hyde Park.	12	258	479 75	516 48	56 24	1,052 47	6	Public, ledge and sand.
Beacon street.....	Between Fairmont avenue and Milton line.	Hyde Park.	{ 8 12 }	131 2,340	7,844 82	4,437 92	307 69	12,590 43	{ 4 6 }	{ Public, clay and macadam.
Metropolitan avenue.....	At Beacon street.....	Hyde Park.	12	26	31 58	32 40	2 64	66 62	6	Public, clay and macadam.
Metropolitan avenue.....	Between Beacon street and Norris road.	Hyde Park.	12	175	480 66	311 05	28 12	819 83	6	Public, clay and macadam.
Eustis street.....	Between Harrison avenue and Dearborn street.	Roxbury.	12	475	8,963 96	637 46	79 09	9,680 51	6	Public, under construction.
Alleghany street.....	From Parker street.....	Roxbury.	12	704	2,039 16	1,349 62	58 00	3,446 78	{ 6 6 }	{ Private, macadam.
Parker street.....	At Alleghany street.....	Roxbury.	12	6						
Wren street.....	At Robin street.....	West Roxbury.	{ 6 12 }	6 68	348 37	250 00	21 09	619 46	6	Private, clay.
Carolina avenue.....	Between South and Call streets...	West Roxbury.	12	1,547	4,690 17	2,411 94	181 79	7,283 90	6	Public, macadam.
John A. Andrew street...	Between Carolina avenue and New- bern street.	West Roxbury.	12	324	1,283 18	481 09	43 78	1,808 05	{ 6 6 }	{ Public, clay and rock.
Sedgwick street.....	From John A. Andrew street.....	West Roxbury.	8	28						
Newbern street.....	Between John A. Andrew and Elm streets.	West Roxbury.	12	383						
Elm street.....	At Newbern street.....	West Roxbury.	10	7	1,146 24	592 93	63 27	1,802 44	{ 6 6 }	{ Public, rock and sand.
	Totals.....		{ 6 8 10 12 }	6 246 7 12,741	\$47,236 73	\$24,580 49	\$1,697 59	\$73,514 81		

North Harvard street....	Between Spurr and Kingsley streets.	Brighton.	16	180	885 98	367 48	49 21	1,302 67	12	Public, gravel and sand.
Franklin street.....	Between North Harvard and Alcott streets.	Brighton.	16	1,919					8	
Weitz street.....	From Franklin street.....	Brighton.	8	15					6	
Raymond street.....	From Franklin street.....	Brighton.	8	36					6	
Myrick street.....	From Franklin street.....	Brighton.	8	15					6	
Appian way.....	From Franklin street.....	Brighton.	8	16	8,742 23	4,526 54	214 42	13,483 19	6	Public, gravel and sand.
Holton street.....	At Franklin street.....	Brighton.	10	30					6	
Eaton street.....	At Franklin street.....	Brighton.	8	15					6	
Bradbury street.....	At Franklin street.....	Brighton.	8	5					8	
Aldie street.....	At Franklin street.....	Brighton.	8	21					8	
Adamson street.....	At Franklin street.....	Brighton.	8	5					8	
Alcott street.....	Between Franklin and Mansfield streets.	Brighton.	{ 16 16	{ 528 696	1,875 04	1,124 73	42 18	3,041 95	6	Public, gravel and sand.
Mansfield street.	Between Cambridge street and Coolidge road.	Brighton.	{ 12 8	{ 19 163	3,481 30	1,986 59	130 06	5,597 95	6	
	Totals.....		{ 8 10 12 16	{ 291 30 19 3,323	\$14,984 55	\$8,005 34	\$435 87	\$23,425 76		

Cost of Relocation of Main Pipe.

STREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Original Size. (Inch.)	Remarks.
Callahan place.....	From 305 Western avenue.....	Brighton.	6	23	\$41 42	.....	\$21 69	\$63 11	6	Private, gravel and sand.
Kingston street.....	At Nos. 1-5.....	City Proper.	6	19	96 00	72 61	.....	168 61	6	Public, granite block and concrete base.
	Totals.....	.....	6	42	\$137 42	\$72 61	\$21 69	\$231 72		
Bostonia avenue.....	Between Breck avenue and Regal street.	Brighton.	8	200	\$5 04	\$622 75	\$26 75	\$684 54	8	Public, under construction.
Telford street.....	From Western avenue.....	Brighton.	8	46	138 37	91 13	.....	229 50	6	Public, gravel and sand.
High street.....	At No. 74.....	City Proper.	8	17	75 30	.....	.....	75 30	8	Public, granite block and concrete base.
Devonshire street.....	Between Milk and Franklin streets,	City Proper.	8	349	255 71	54 05	.....	309 76	8	Public, wood block.
High street.....	East of Federal street.....	City Proper.	8	15	98 80	.....	.....	98 80	8	Public, granite block and concrete base.
Oakland place.....	Between Cummins Highway and Blue Hill avenue.	Dorchester.	8	439	928 77	1,829 81	326 02	3,084 60	6	Private, clay and rock.
Ceylon street.....	Between Quincy and Bird streets..	Dorchester.	8	242	587 91	375 84	40 42	1,004 17	6	Public, macadam.
Melbourne street.....	At Welles avenue.....	Dorchester.	8	12	31 27	31 23	.....	68 50	8	Public, macadam.
Welles avenue.....	At Joseph street.....	Dorchester.	8	11	37 27	26 33	.....	63 60	8	Public, macadam.
Brent street.....	At Joseph street.....	Dorchester.	8	10	38 74	27 29	.....	66 03	8	Public, macadam.
Holden street.....	Between Humphreys street and Columbia road.	Dorchester.	8	509	927 21	758 21	49 21	1,734 63	8	Private, gravel.
Agnes avenue.....	From River street.....	Hyde Park.	8	128	200 60	203 00	20 13	423 73	8	Private, gravel.
Hopewell road.....	Near Belnel road.....	Hyde Park.	8	8	34 62	16 46	.....	51 08	8	Private, macadam.
Chesterton street.....	At Massachusetts avenue.....	Roxbury.	8	13	43 25	37 46	.....	80 71	8	Public, granite block and concrete base.
Hillview avenue.....	Between Crandall street and Clarendon avenue.	West Roxbury.	8	200	91 21	659 50	47 17	797 88	8	Public, under construction.

Hemlock street.....	Between Washington and Walworth streets.	West Roxbury.	8	90	24 24	465 25	21 09	510 58	8	Public, under construction.
Goethe street.....	At Shore road.....	West Roxbury.	8	18	36 17	31 50	3 68	71 35	8	Private, clay.
Milton avenue.....	Totals.....	.....	8	2,307	\$3,590 48	\$5,229 81	\$534 47	\$9,354 76		
Blake street.....	At Granite avenue.....	Dorchester.	10	12	\$75 96	\$66 22	.....	\$142 18	10	Public, asphalt.
	From River street.....	Hyde Park.	10	158	319 20	285 34	20 13	624 67	{ 6 10	{ Public, gravel.
	Totals.....	.....	10	170	\$395 16	\$351 56	\$20 13	\$766 85		
Bunker Hill street.....	Between Pearl and Baldwin streets,	Charlestown.	12	1,965	\$6,601 78	\$3,743 68	\$311 20	\$10,656 66	8	Public, under construction.
Harvard street.....	At Harrison avenue.....	City Proper.	12	20	88 38	.....	.....	88 38	12	Public, granite block and concrete base.
Harrison avenue.....	At Beach street.....	City Proper.	12	20	158 32	.....	.....	158 32	12	Public, granite block and concrete base.
High street.....	At No. 110.....	City Proper.	12	24	123 08	.....	.....	123 08	12	Public, granite block and concrete base.
Hill Top street.....	At Granite avenue.....	Dorchester.	12	18	86 46	64 10	.....	150 56	12	Public, asphalt.
Ormond street.....	Between Wellington Hill street and Outlook road.	Dorchester.	12	140	37 60	464 50	7 03	509 13	12	Public, under construction.
Norfolk street.....	At Norton street.....	Dorchester.	12	9	55 42	130 00	21 09	206 51	12	Public, asphalt.
Dorchester avenue.....	Between Leeds street and Old Colony avenue.	South Boston.	12	2,709	6,755 51	4,552 26	604 09	11,911 86	12	Public, granite block and concrete base.
West Fourth street.....	At Dorchester avenue.....	South Boston.	12	53	230 23	146 73	.....	376 96	12	Public, granite block.
Dorchester avenue.....	At West Fourth street.....	South Boston.	12	19	.....	.....	.....	.....	12	Public, granite block.
Robin street.....	Between Clark and Wren streets...	West Roxbury.	12	64	130 56	175 00	18 45	324 01	12	Public, clay.
	Totals.....	.....	12	5,041	\$14,267 34	\$9,276 27	\$961 86	\$24,505 47		
Condor street.....	Between Brooks and Glendon streets.	East Boston.	{ 12 16	14 70	\$353 31	\$1,256 75	.....	\$1,610 06	12	Public, asphalt.
River street.....	Between Blake street and railroad bridge.	Hyde Park.	16	138	557 34	435 06	100 65	1,093 05	16	Public, clay.
	Totals.....	.....	{ 12 16	14 208	\$910 65	\$1,691 81	\$100 65	\$2,703 11		
Brooks street.....	At Condor street.....	East Boston.	{ 20 12	25 27	\$659 12	\$976 75	.....	\$1,635 87	{ 12 20	{ Public, asphalt.

WATERWORKS STATISTICS.— CITY OF BOSTON:

FOR THE FISCAL YEAR ENDING DECEMBER 31, 1930.

DISTRIBUTION.

Mains.

Kind of pipe: Cast iron, wrought iron.
Size: 2-inch to 48-inch.
Extended, miles, 2.75.
Size enlarged, miles, 5.83.
Total miles now in use, 951.34.
Public hydrants added, 94.
Public hydrants now in use, 10,910.
Stop gates added, 160.
Stop gates now in use, 14,867.
Stop gates smaller than 4-inch, 32.
Number of blow-offs, 775.
Range of pressure on mains, 30 to 90 pounds.

Service.

Kind of pipe and size: Lead and lead lined, $\frac{1}{2}$ -inch to 2 inch; cast iron, 2-inch to 16-inch; wrought iron and cement lined, $\frac{3}{4}$ -inch to 2-inch; brass and copper, $\frac{5}{8}$ -inch to $2\frac{1}{2}$ -inch.
Service taps added, 1,078.
Total service taps now in use as per metered services, 99,891.

APPENDIX G.

REPORT OF THE BOSTON AND CAMBRIDGE
BRIDGE COMMISSION.

BOSTON, January 1, 1931.

To the Honorable the Mayor.

SIR,—As Commissioner for the City of Boston, I respectfully submit herewith the annual report of the Boston and Cambridge Bridge Commission for the year ending December 31, 1930.

The commission is composed of two members, one appointed by the Mayor of the City of Boston and the other by the Mayor of the City of Cambridge, under provisions of chapter 467, Acts of 1898.

The commission has charge of the maintenance of the following-named bridges between Boston and Cambridge:

Anderson, Cottage Farm, Longfellow, Prison Point, River Street, and Western Avenue to Cambridge.

As there is no separate appropriation made for the City of Boston's portion of the expenses of this commission, the same is taken from the appropriation for the Bridge and Ferry Division, Bridge Service. The amount expended during the fiscal year ending December 31, 1930, was \$10,193.85.

PRISON POINT BRIDGE.

In the rebuilding of the floor of this bridge a granite block pavement with asphalt joints was placed instead of the wooden planking. This should materially reduce the annual cost of maintenance.

BRIDGES, REPAIRS, ETC.

LONGFELLOW BRIDGE.

Proposals for furnishing and installing cables and lights on this bridge were inserted in the *City Record* at a cost of \$4.88.

PRISON POINT BRIDGE.

A contract was awarded to the New England Construction and Maintenance Company, approved September 12, 1929, for repairing the steel work and rebuilding the floor of the draw span of this bridge.

The contract was completed March 27, 1930, at a total cost to Boston of \$14,229.60.

Payments made during 1930 were as follows:

New England Construction and Maintenance	
Company	\$10,143 18
Inspection	5 57
	<u>\$10,148 75</u>

Respectfully submitted,
J. A. ROURKE,
Commissioner for the City of Boston.

Boston and Cambridge Bridges. Expenditures for the Year Ending December 31, 1930.
Being the Portion Paid by the City of Boston, which is One Half of the Total Expenditure.

	Administration.	Anderson Bridge.	Cottage Farm Bridge.	Longfellow Bridge.	Prison Point Bridge.	River Street Bridge.	Western Avenue Bridge.	Totals.
Salaries.....	\$300 00	\$850 00	\$782 50	\$3,182 17	\$15 00	\$407 50	\$375 00	\$5,912 17
Inspection.....	.....	50 00	48 00	198 00	212 00	48 00	48 00	604 00
Repairs.....	.....	30 99	13 58	.....	189 50	101 25	.....	335 32
Light.....	.....	309 59	1,144 49	1,363 97	.....	206 31	270 78	3,295 14
Supplies.....	.....	.....	6 55	21 31	.....	.....	34	28 20
Telephone and traveling expenses.....	4 57	.....	.....	.....	.....	.....	.....	4 57
Printing and stationery.....	14 45	.....	.....	.....	.....	.....	.....	14 45
Totals.....	\$319 02	\$1,240 58	\$1,995 12	\$4,765 45	\$416 50	\$763 06	\$694 12	\$10,193 85





ANNUAL REPORT
OF THE
REGISTRY DEPARTMENT
FOR THE YEAR 1930.

BOSTON, MASS., March 1, 1931.

HON. JAMES M. CURLEY,
Mayor of the City of Boston,

SIR,— In compliance with the ordinances, I beg leave to report that our records show for the calendar year 1930:

18,073 live births, including children of nonresidents.
552 children born out of town, of Boston residents.
538 still births.
7,494 marriage licenses applied for.
5,904 marriages solemnized in Boston
2,068 marriages of Boston residents performed out of town.
11,021 deaths in Boston, including nonresidents.
891 deaths out of town, of Boston residents

MARRIAGE LICENSES APPLIED FOR.

January	541	July	614
February	451	August	802
March	400	September	749
April	625	October	633
May	805	November	496
June	886	December	492
Total		<u>7,494</u>	

RECEIPTS AND EXPENDITURES.

Receipts.

Received for marriage licenses from January 1 to December 31, 1930, inclusive:

Nos. 1 to 7,494	\$7,494 00
Received for certificates for court, bank, insurance and other purposes	6,120 75
Interest on deposit	26 69
Stamps on envelopes for return of marriage licenses, ...	132 76
Out of state marriages	2 00
	<u>\$13,776 20</u>

PAID TO CITY COLLECTOR.

MONTH.	Licenses.	Certificates.	Interest.	Stamps.	Out of State Marriages.	Total.
January.....	\$541 00	.....	\$1 32	.....	.....	\$542 32
February.....	451 00	\$501 50	2 37	\$2 74	.....	956 61
March.....	400 00	269 00	.....	8 00	.....	677 00
April.....	625 00	.....	2 63	12 50	.....	640 13
May.....	805 00	326 00	1 53	16 10	.....	1,148 63
June.....	886 00	766 50	1 42	17 72	.....	1,671 64
July.....	614 00	863 50	1 64	12 28	.....	1,491 42
August.....	802 00	1,225 75	1 53	16 04	.....	2,045 32
September.....	749 00	.....	1 70	14 98	.....	765 68
October.....	633 00	.....	1 59	12 66	.....	647 25
November.....	496 00	1,311 25	1 59	9 92	.....	1,818 76
December.....	492 00	857 25	1 37	9 82	\$2 00	1,362 44
Totals.....	\$7,494 00	\$6,120 75	\$17 69	\$132 76	\$2 00	\$13,776 20

BIRTH RETURNS.

(Physicians receive \$0.25 for each return.)

	Number.	Amount
January 1, 1930:		
Department's outstanding obligations	1,331	\$332 75
January, 1930	1,575	393 75
February, "	1,314	328 50
March, "	1,570	392 50
April, "	1,496	374 00
May, "	1,631	407 75
June, "	1,573	393 25
July, "	1,632	408 00
August, "	1,617	404 25
September, "	1,579	394 75
October, "	1,649	412 25
November, "	1,360	340 00
December, "	1,534	383 50
	<u>19,861</u>	<u>\$4,965 25</u>

EXPENDITURES FOR BIRTH RETURNS.

	Number.	Amount.
January, 1930	68	\$17 00
February, "	16	4 00
March, "	2,314	578 50
April, "	1,338	334 50
May, "	1,501	375 25
June, "	1,680	420 00
July, "	1,323	330 75
August, "	1,424	356 00
September, "	1,380	345 00
October, "	2,218	554 50
November, "	2,443	610 75
December, "	3,314	828 50
	<u>19,019</u>	<u>\$4,754 75</u>
Balance due physicians	842	210 50
	<u>19,861</u>	<u>\$4,965 25</u>

APPROPRIATIONS AND EXPENDITURES.

Dr.				Cr.		
January 1, 1930.				December 31, 1930.		
A-1, Salaries:				A-1, Salaries:		
Registrar, assistants				Registrar, assistants		
and clerks . . .	\$44,631	82		and clerks . . .	\$44,294	85
A-2, Temporary em-				A-2, Temporary em-		
ployees . . .	350	00		ployees . . .	678	50
B-1, Printing and bind-				B-1, Printing and bind-		
ing . . .	4,200	00		ing . . .	4,198	66
B-3, Advertising and				B-3, Advertising and		
posting . . .	16	00		posting . . .	13	00
B-4, Transportation .	25	00		B-4, Transportation .	25	00
B-12, Surety bond .	10	00		B-12, Surety bond .	8	00
B-29, Stenographic,				B-29, Stenographic,		
copying . . .	7,500	00		copying . . .	8,162	22
B-35, Fees, physicians,	5,000	00		B-35, Fees, physicians,	4,754	75
B-39, General plant				B-39, General plant		
repairs . . .	75	00		repairs . . .	70	16
C-9, Equipment, office,	525	00		C-9, Equipment, office,	531	85
D-1, Supplies, office .	3,000	00		D-1, Supplies, office .	3,255	96
	\$65,332	82			\$65,992	95
Transferred from other						
department . . .	660	13				
	\$65,992	95				

Respectfully submitted,

JAMES J. MULVEY,
City Registrar.



ANNUAL REPORT

OF THE

DEPARTMENT OF SCHOOL BUILDINGS

FOR THE TWELVE MONTHS ENDING DECEMBER 31, 1930.

HON. JAMES M. CURLEY, *Mayor of the City of Boston.*

JOSEPH J. HURLEY, FRANCIS C. GRAY, JOSEPH V. LYONS, ELIZABETH W. PIGEON, WILLIAM ARTHUR REILLY, *Members of the School Committee.*

RICHARD J. LANE, STEPHEN W. SLEEPER, JAMES T. MORIARTY, *Board of Commissioners of School Buildings.*

GENTLEMEN,— In accordance with the provisions of chapter 351 of the Acts of 1929, the Superintendent of Construction of the Department of School Buildings submits herewith his annual report, covering the period from December 31, 1929, to December 31, 1930.

The work of the department is carried on in two divisions: First, Land and Buildings. Second, Repairs and Alterations.

I.

LAND AND BUILDINGS.

The department found on January 1, 1930, three buildings under construction, the contracts for which had been let by the Schoolhouse Commission. These buildings were the Solomon Lewenberg School, an intermediate school on Outlook road, Wellington Hill, Dorchester, 60 per cent completed; the Brighton High

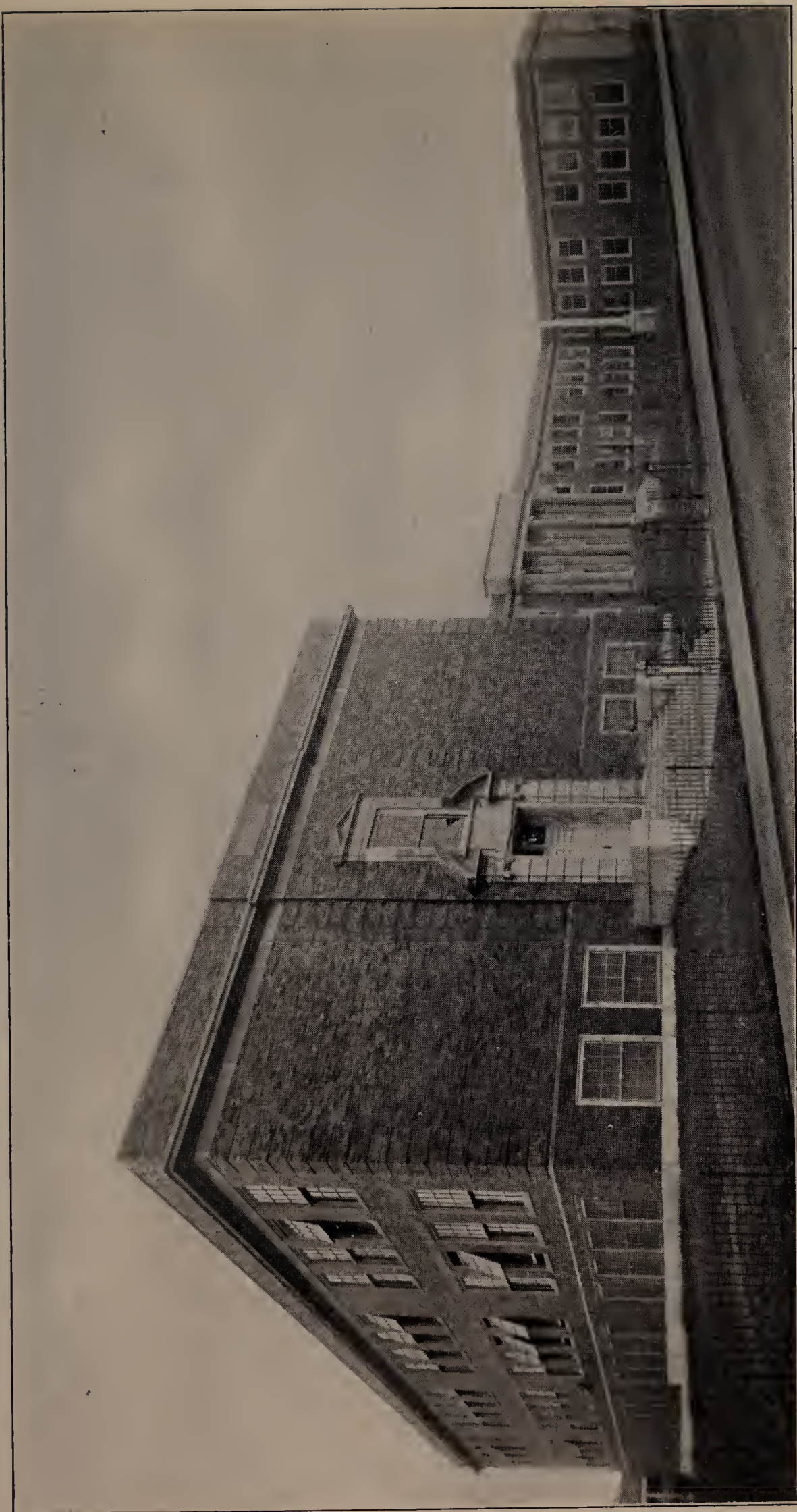
School, Warren street, Brighton, 75 per cent completed; and the Michelangelo School Annex, intermediate school, on Hull street, North End, just starting. These three projects have been completed and the buildings occupied.

During the year, contracts for additions to five school buildings were awarded and completed, at a cost of \$384,048.79.

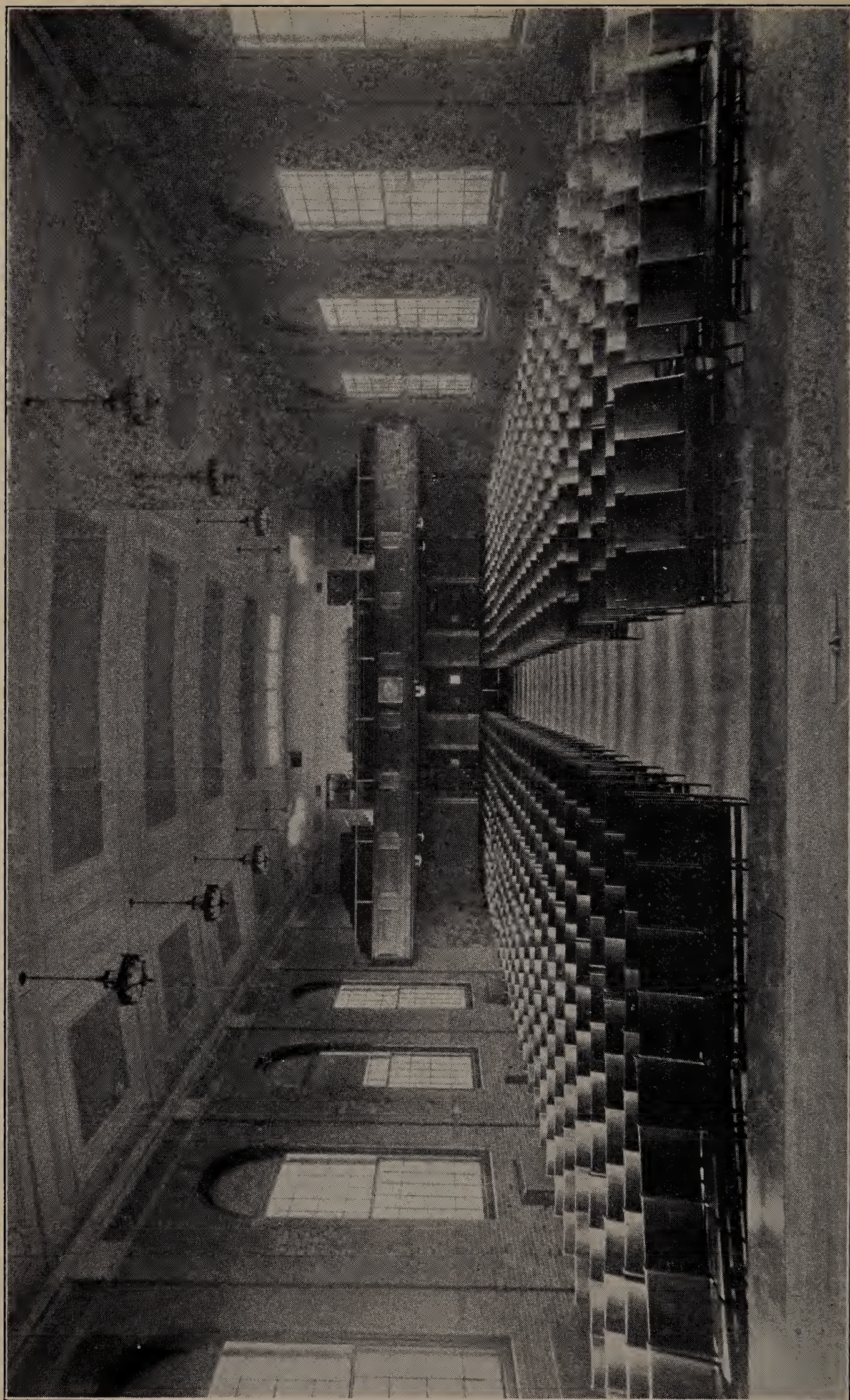
The above buildings furnish permanent accommodations for 4,500 pupils, with all necessary special rooms for administration and the teaching of these children. This number of added seats, with a rearrangement of old accommodations, has permitted the Superintendent of Public Schools to vacate fifty-eight portable school buildings and twenty hired rooms during 1930. Thus, the number of portable schools in use today is 166, of which 129 are used for classroom purposes.

The department has awarded contracts for an intermediate school (forty classrooms) in the Agassiz-Bowditch District, at the corner of Centre street and Pershing road, Jamaica Plain; an elementary school in the Elihu Greenwood District (twelve-classroom and kindergarten unit of a proposed twenty-five-classroom building), Ruskin, Roseberry and Radcliffe roads, Hyde Park; an elementary school in the Charles Sumner District (twelve-classroom and kindergarten unit of a proposed twenty-five-room building), Basile street, Roslindale; an addition to the William Ellery Channing School (nine classrooms) in the Henry Grew District, Sunnyside street, Hyde Park; an addition to the Beethoven School (four classrooms) in the Robert Gould Shaw District, Washington street, West Roxbury; and a school for special classes in the Ulysses S. Grant District (eight classrooms), Paris street, East Boston. Work on all these projects is under way, with the exception of the Ulysses S. Grant District School, construction of which will start early in January, 1931. These contracts amount to \$1,286,358.

Land has been taken, or is in process of being taken, in the Gilbert Stuart District, Dorchester, for an elementary school; for an elementary school in the Chapman District and an elementary school in the Emerson District, East Boston; for two elementary schools in the Elihu Greenwood District and an elementary school in the Henry Grew District, Hyde Park; for an elementary school in the Longfellow District and an elementary school in the Robert Gould Shaw District, West Rox-



SOLOMON LEWENBERG SCHOOL.
DESMOND AND LORD, Architects.



SOLOMON LEWENBERG SCHOOL—ASSEMBLY HALL.
DESMOND AND LORD, Architects.

bury; for an elementary school in the Thomas Gardner District, Brighton; and for an elementary school in the Eliot-Hancock District, North End.

Plans are being prepared for a girls' high school in the Fenway; a girls' high school on Washington street and Geneva avenue, Dorchester; an intermediate school on Kenrick street, Brighton; an intermediate school on Walker street, Charlestown; an elementary school on Morton street, Dorchester; an elementary school on Poplar and Dale streets, Roslindale; and an elementary school on Walnut avenue, Roxbury.

Of the plans for schools mentioned above, those for the Gilbert Stuart District elementary school are being drawn in this department, as will be the plans for the proposed school in the Chapman District. The department has also drawn the plans and written the specifications for the addition to the Beethoven School, the construction of which has been started.

Due to the change in our specifications for new buildings, whereby the use of trade names was abolished as far as possible, and materials accepted by the Building Department of the City of Boston are allowed to be used, and also due to general lowering of market prices, we have been able to construct our new buildings during this year at prices substantially below the prices for similar work in recent years.

The amount of money expended for this division during this year was \$2,312,507.54.

II.

ALTERATIONS AND REPAIRS.

For the repair and maintenance of our school plant 16,088 orders were issued during the year, amounting to \$1,006,990.94.

Of this amount, \$415,348.24 were paid on 1,731 unadvertised competitive contracts. Although the law permits the awarding of contracts for amounts less than \$1,000 without advertising or competition, the department secures competitive bids on practically all work costing between \$100 and \$1,000.

In addition, contracts for repairs were advertised and let to the lowest bidders on 163 projects, amounting to \$565,229.27.

The above orders and contracts were distributed among approximately 600 Boston tradesmen and con-

tractors. The total amount expended for repairs and alterations was \$1,572,220.21. In addition, \$63,332.60 were expended for the payment of 1929 bills, as authorized by legislative Act No. 283 of 1930.

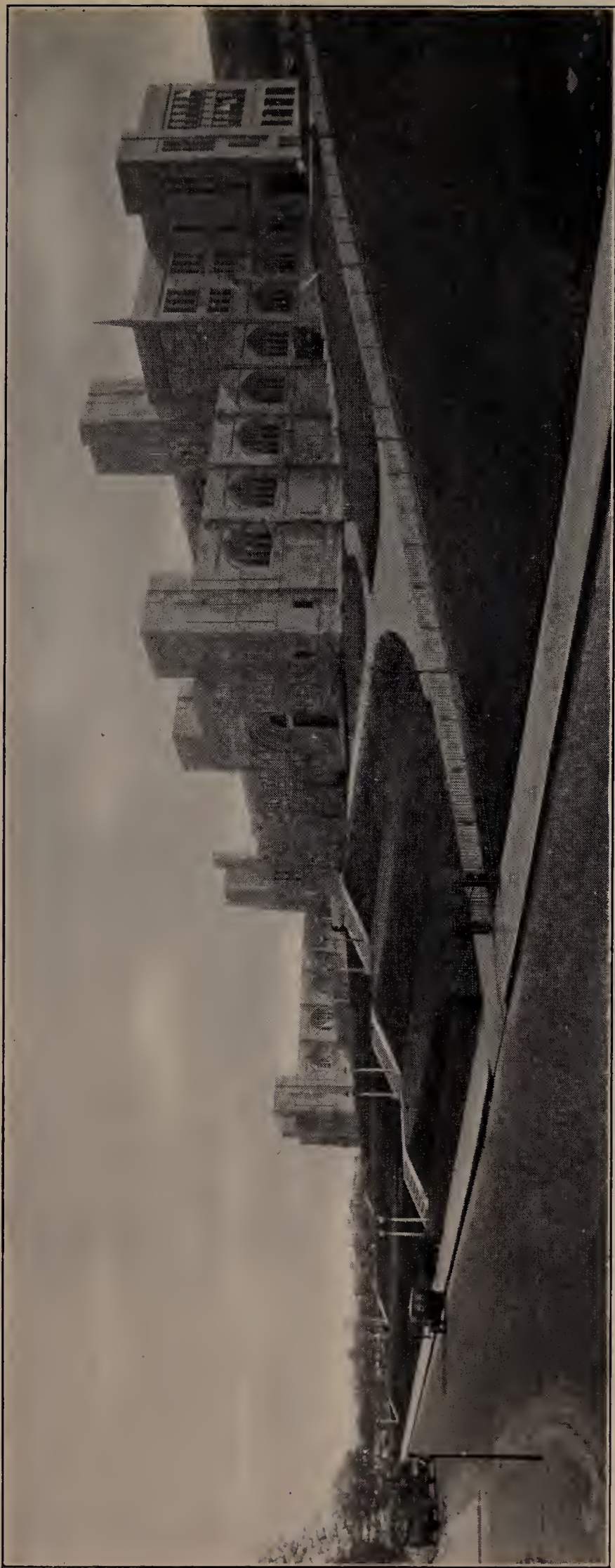
Several of our older buildings, although structurally safe, are not up to date as regards egress, sanitary, heating and lighting conditions. The modernizing of these buildings requires plans and specifications — which are prepared by the department — and the performance of the work during the school vacation period, so that the educational program may not be disturbed. A substantial beginning on this work has been made this year, during which fire escapes have been installed on five buildings, sanitation in nine buildings, heating systems have been modernized in sixteen buildings and electric lighting in sixty buildings. The roof covering has been renewed on seventy buildings.

Since the establishment of the Schoolhouse Commission in 1901, the question of securing a storehouse has been discussed. In November a suitable storehouse was secured at a fair rental, and is now functioning. A suitable place for the storage and reclamation of school furniture and equipment should mean a substantial reduction in the annual cost of these items.

Detailed statements of expenditures of the department are hereto attached.

Respectfully submitted,

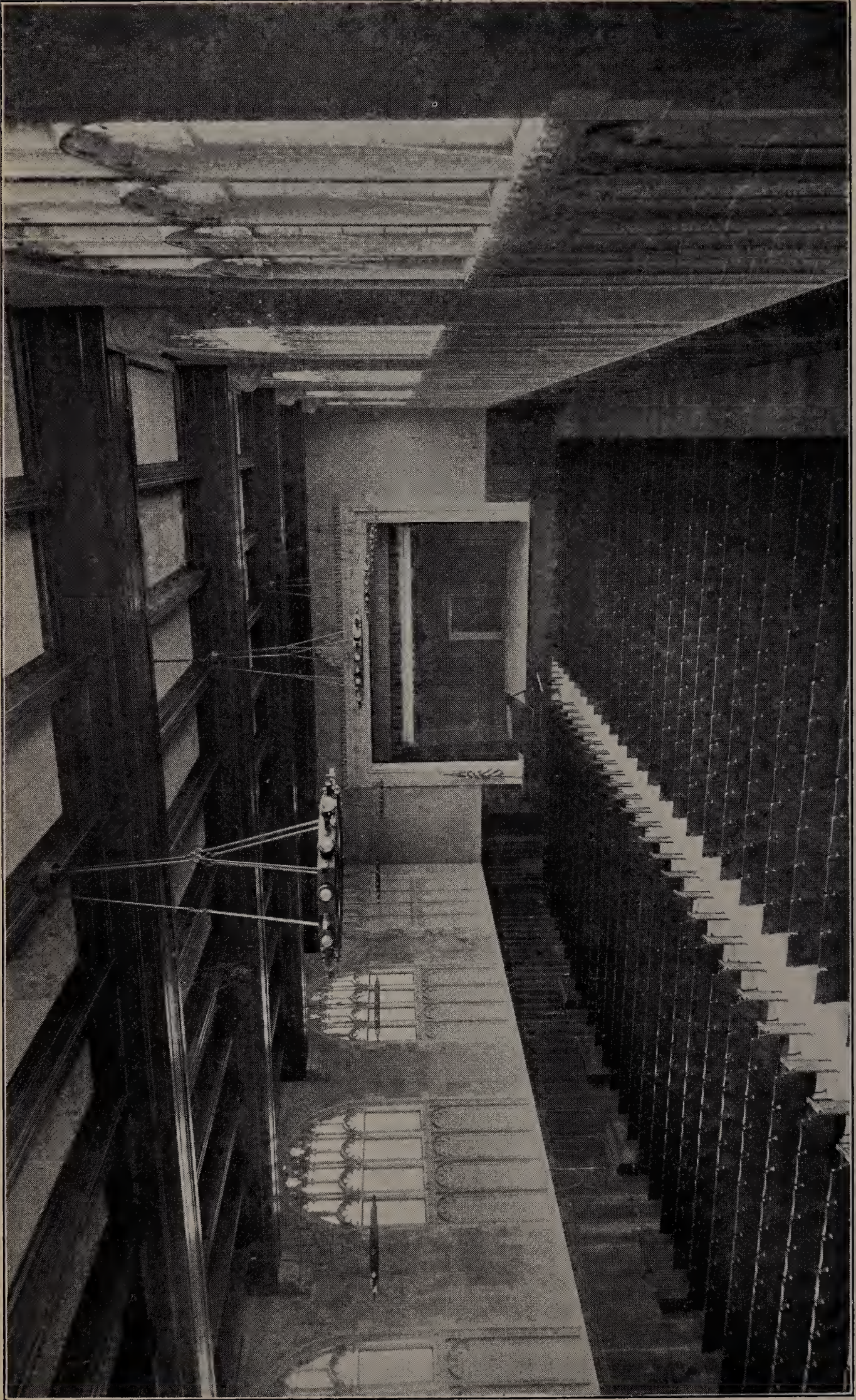
L. K. ROURKE,
Superintendent of Construction.



NEW BRIGHTON HIGH SCHOOL.
O'CONNELL AND SHAW, Architects.



NEW BRIGHTON HIGH SCHOOL—REAR VIEW.
O'CONNELL AND SHAW, Architects.



NEW BRIGHTON HIGH SCHOOL ASSEMBLY HALL.
O'CONNELL AND SHAW, Architects.



NEW BRIGHTON HIGH SCHOOL—GYMNASIUM.
O'CONNELL AND SHAW, Architects.

APPROPRIATIONS FOR THE YEAR 1930.

On April 1, 1930, the School Committee passed the following order:

Ordered, That in accordance with the provisions of chapter 206 of the Special Acts of 1919, as amended by chapter 524 of the Acts of 1920, as amended by chapter 488 of the Acts of 1923, as amended by chapter 327 of the Acts of 1925, as amended by chapter 314 of the Acts of 1926, the following appropriations are hereby made for the purpose of meeting the cost of new land and building items and the additional cost of land and building items previously authorized:

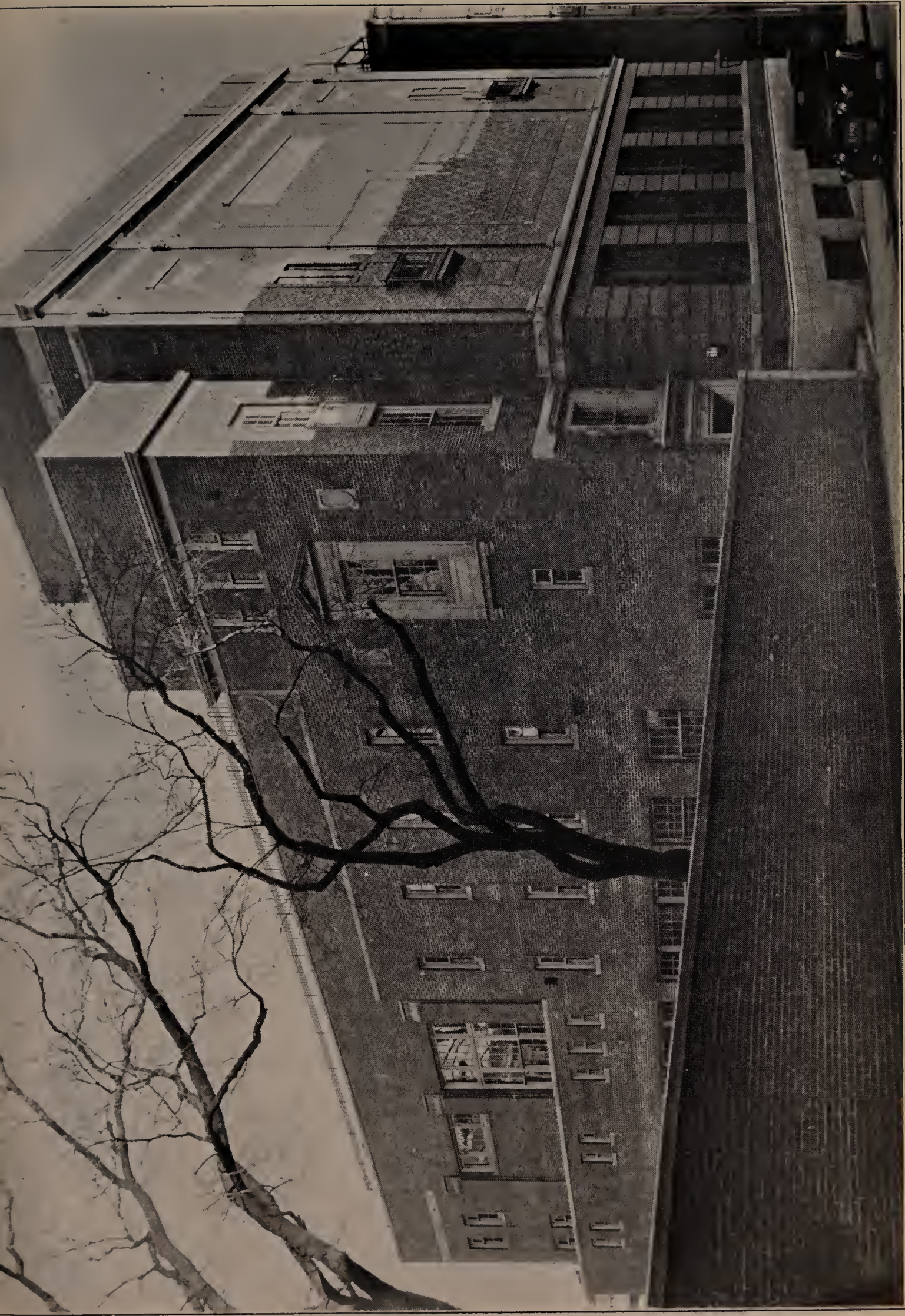
<i>Item 1.</i> — Administration expenses, Department of School Buildings (land, plans and construction of school buildings)	\$115,000 00
<i>Item 2.</i> — Rent of hired accommodations	40,000 00
<i>Item 3.</i> — Bennett District, Brighton (Brighton High School): Construction of thirty-six-classroom high school for boys and girls (Item 35, 1923; Item 22, 1924; Item 12, 1925; Item 17, 1928)	55,000 00
<i>Item 4.</i> Bennett District, Brighton (Brighton High School): Equipment of thirty-six-classroom high school for boys and girls	75,000 00
<i>Item 5.</i> — Bennett District, Brighton (Brighton High School): Finished grading	95,000 00
<i>Item 6.</i> — Bennett District, Brighton: Construction of six-classroom addition to Harriet A. Baldwin School	131,000 00
<i>Item 7.</i> — Bennett District Brighton: Equipment of addition to Harriet A. Baldwin School, ...	5,000 00
<i>Item 8.</i> — Bennett District, Brighton: Construction of eight-classroom addition to Alexander Hamilton School	180,000 00
<i>Item 9.</i> — Bennett District, Brighton: Equipment of addition to Alexander Hamilton School	5,000 00
<i>Item 10.</i> — Charles Sumner District, Roslindale: Land for thirteen-classroom elementary building (Item 35, 1929)	4,375 00
<i>Carried forward</i>	\$705,375 00

<i>Brought forward</i>	\$705,375 00
<i>Item 11.</i> — Edmund P. Tileston District, Dorchester: Equipment of Solomon Lewenberg Intermediate School	75,000 00
<i>Item 12.</i> — Elihu Greenwood District: Land and plans for elementary school building (Items 6 and 7 1927; Item 25, 1928; Items 12 and 15, 1929)	1,000 00
<i>Item 13.</i> — Michelangelo Intermediate District, North End: Equipment of annex	15,000 00
<i>Item 14.</i> — Robert Gould Shaw District, West Roxbury: Land for thirteen-classroom elementary building (Item 50, 1929)	1,875 00
<i>Item 15.</i> — Roger Wolcott District, Dorchester: Construction of six-classroom addition to William Bradford School	104,000 00
<i>Item 16.</i> — Roger Wolcott District, Dorchester: Equipment of addition to William Bradford School	5,000 00
<i>Item 17.</i> — Ulysses S. Grant District, East Boston: Enlargement of school yard (Item 32, 1929)	7,000 00
<i>Item 18.</i> — William Lloyd Garrison District, Roxbury: Equipment of addition to William Lloyd Garrison School (Item 5, 1929)	1,500 00

On June 23, 1930, the School Committee passed the following order:

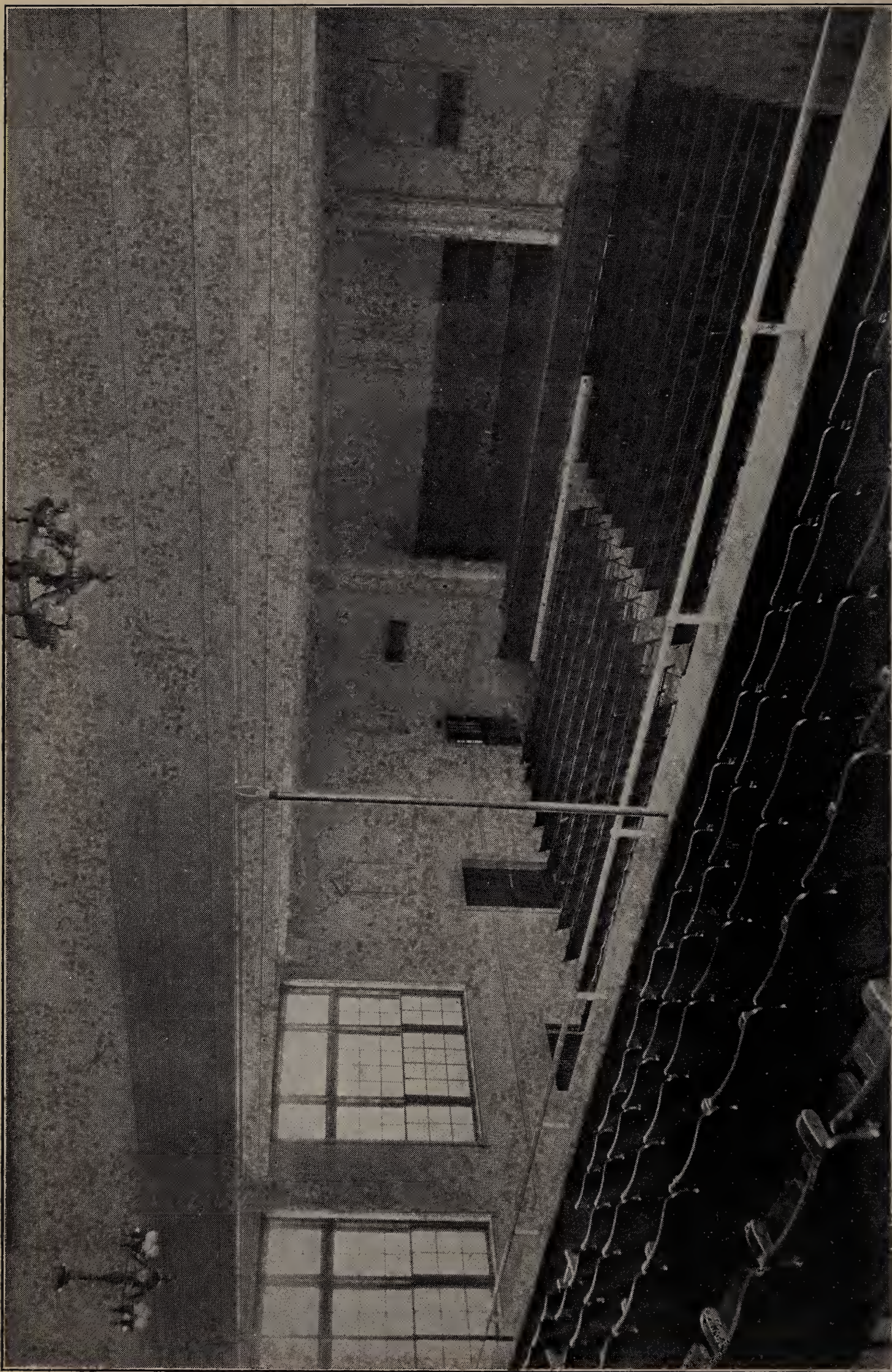
Ordered, That in accordance with the provisions of chapter 313 of the Acts of 1930, the following appropriations are hereby made for the purpose of meeting the cost of new land and building items:

<i>Item 20.</i> — Agassiz-Bowditch District, Jamaica Plain: Construction of forty-classroom, intermediate school building on Centre street, corner of Pershing road	865,000 00
<i>Item 21.</i> — Bowditch District, Jamaica Plain: Furnishing four-class room addition to Margaret Fuller School	3,500 00
<i>Item 22.</i> — Charles Sumner District, Roslindale: Construction of thirteen-classroom annex to Charles Sumner elementary school building	235,000 00
<i>Item 23.</i> — Elihu Greenwood District, Hyde Park: Construction of thirteen-classroom unit of elementary school building on Radcliffe road, corner of Ruskin road	235,000 00
<i>Carried forward</i>	\$2,254,250 00



MICHELANGELO ADDITION.

(John M. Gray Co., Architects.)



MICHELANGELO ADDITION—ASSEMBLY HALL.
JOHN M. GRAY CO., ARCHITECTS.

<i>Brought forward</i>	\$2,254,250 00
<i>Item 24.</i> — Minot District, Dorchester: Furnishing nine-classroom addition to Thomas J. Kenny School	5,000 00
<i>Item 25.</i> — Robert Gould Shaw District, West Roxbury: Construction and furnishing of four-classroom addition to Beethoven elementary school building	48,000 00
<i>Item 26.</i> — Ulysses S. Grant District, East Boston: Construction of eight-classroom special class building (annex to Ulysses S. Grant elementary school building)	140,000 00
<i>Item 27.</i> — Ulysses S. Grant District, East Boston: Furnishing eight-classroom special class building (annex to Ulysses S. Grant elementary school building)	5,000 00

On July 14, 1930, the School Committee passed the following order:

Ordered, That in accordance with the provisions of chapter 313 of the Acts of 1930, the following appropriations are hereby made for the purpose of meeting the additional cost of land and building items previously authorized:

<i>Item 28.</i> — Agassiz-Bowditch District, Jamaica Plain: Land for additional school accommodations (Items 12, 1926, and 15, 1927)	28 39
<i>Item 29.</i> — Christopher Gibson District, Dorchester: Land for high school (Item 19, 1929)	169 50
<i>Item 30.</i> — Dudley District, Roxbury: Land for twenty-four-classroom intermediate school building with combination gymnasium-hall, and shop accommodations for boys and girls (Item 35 1926)	49 50
<i>Item 31.</i> — Elihu Greenwood District, Hyde Park: Equipment of thirty-six-classroom high school for boys and girls (Item 3, 1928)	823 75

On July 14, 1930, the School Committee passed the following order:

Ordered, That in accordance with the provisions of chapter 313 of the Acts of 1930, the following appropriations are hereby made for the purpose of meeting the cost of new land and building items and the additional cost of land and building item previously authorized:

<i>Carried forward</i>	\$2,453,321 14
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<i>Brought forward</i>	\$2,453 321 14
<i>Item 32.</i> — Bigelow District, South Boston: Land for thirteen-classroom elementary school building	3,125 00
<i>Item 33.</i> — Chapman District, East Boston: Land for thirteen-classroom elementary school building	40,625 00
<i>Item 34.</i> — Charles Sumner District, Roslindale: Furnishing of thirteen-classroom annex to Charles Sumner elementary school building	7,500 00
<i>Item 35.</i> — Charles Sumner District, Roslindale: Plans for thirteen-classroom elementary school building on Poplar street, corner of Dale street	8,000 00
<i>Item 36.</i> — Elihu Greenwood District, Hyde Park: Land for thirteen-classroom annex to Elihu Greenwood elementary school building,	10,625 00
<i>Item 37.</i> — Elihu Greenwood District, Hyde Park: Land for thirteen-classroom annex to Fairmount elementary school building	5,000 00
<i>Item 38.</i> — Emerson District, East Boston: Land and plans for thirteen-classroom elementary building with basement auditorium (Item 38, 1929)	8,000 00
<i>Item 39.</i> — Emily A. Fifield District, Dorchester: Grade yard of Robert Swan School	5,000 00
<i>Item 40.</i> — Francis Parkman District, Jamaica Plain: Plans for eight-classroom addition to Edwin P. Seaver elementary school building	7,500 00
<i>Item 41.</i> — Francis Parkman District, Jamaica Plain: Construction of eight-classroom addition to Edwin P. Seaver elementary school building	125,000 00
<i>Item 42.</i> — Henry Grew District, Hyde Park: Plans for nine-classroom addition to William Ellery Channing elementary school building	6,500 00
<i>Item 43.</i> — Henry Grew District, Hyde Park: Construction of nine-classroom addition to William Ellery Channing elementary school building	108,000 00
<i>Item 44.</i> — Henry Grew District, Hyde Park: Furnishing of nine-classroom addition to William Ellery Channing elementary school building	7,000 00
<i>Item 45.</i> — Henry Grew District, Hyde Park: Land for thirteen-classroom annex to Henry Grew elementary school building	12,500 00
<i>Item 46.</i> — Longfellow District, Roslindale: Land for thirteen-classroom elementary school building	7,500 00
<i>Carried forward</i>	<u>\$2,815,196 14</u>

TEMPERARY SCHOOL
FOR THE CITY OF BOSTON
CLAY-CLEMMONS DISTRICT
W. A. DIEL COMPANY ARCHITECTS BOSTON

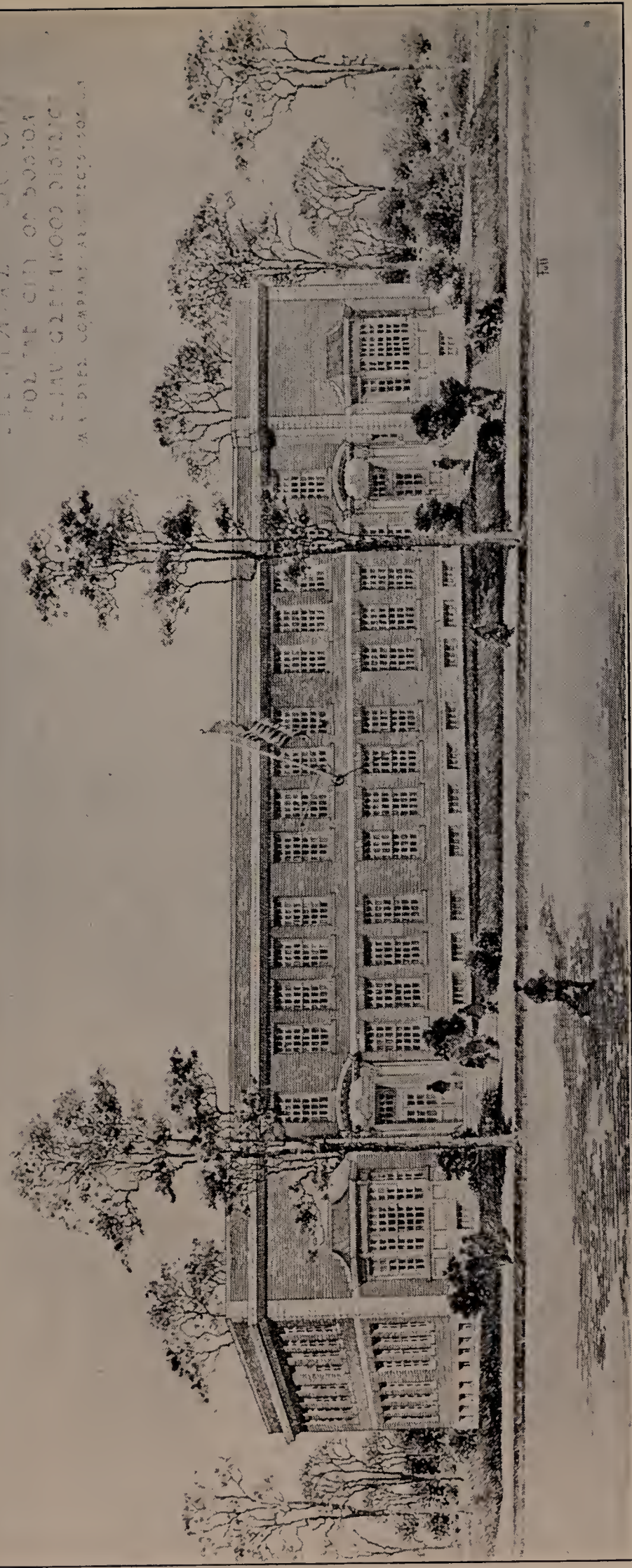
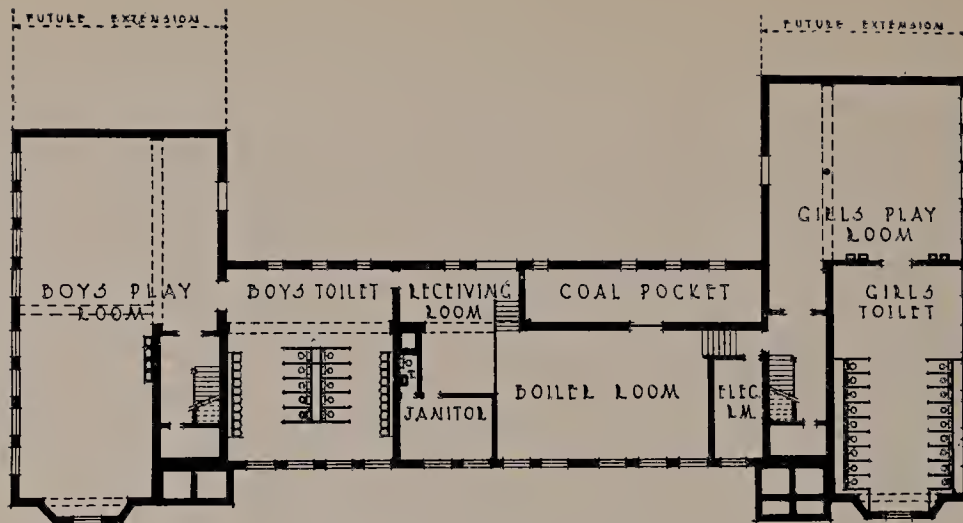
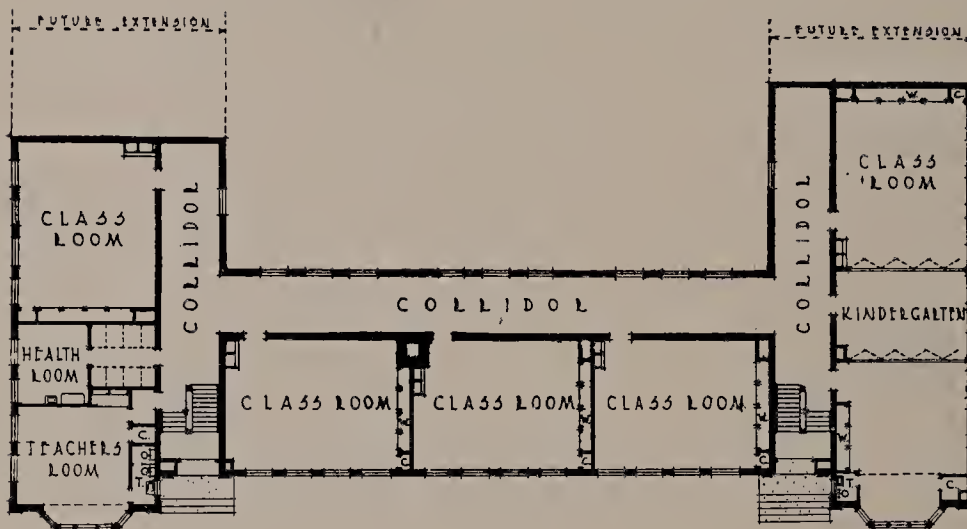


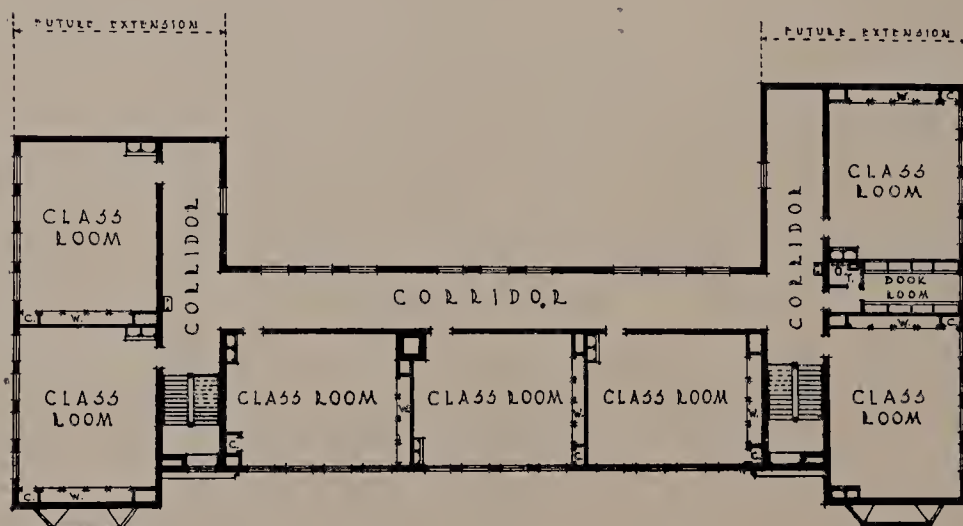
Fig. 1



· BASEMENT · PLAN ·



· FIRST · FLOOR · PLAN ·



· SECOND · FLOOR · PLAN ·

ELIHU GREENWOOD DISTRICT SCHOOL.
FLOOR PLANS.

<i>Brought forward</i>	\$2,815,196 14
<i>Item 47.</i> — Robert Gould Shaw District, West Roxbury: Land for thirteen-classroom elementary school building	7,125 00
<i>Item 48.</i> — Thomas Gardner District, Brighton: Land for thirteen-classroom elementary school building	18,750 00
On July 30, 1930, the School Committee passed the following order:	
<i>Ordered,</i> That in accordance with the provisions of Chapter 313 of the Acts of 1930, the following appropriations are hereby made for the purpose of meeting the cost of new land and building items:	
<i>Item 49.</i> — Chapman District, East Boston: Plans for thirteen-classroom elementary school building	8,000 00
<i>Item 50.</i> — Chapman District, East Boston: Construction of thirteen-classroom elementary school building	200,000 00
<i>Item 51.</i> — Charles Sumner District, Roslindale: Construction of thirteen-classroom elementary school building on Poplar street, corner of Dale street	200,000 00
<i>Item 52.</i> — Elihu Greenwood District, Hyde Park: Plans for thirteen-classroom annex to Elihu Greenwood elementary school building	8,000 00
<i>Item 53.</i> — Elihu Greenwood District, Hyde Park: Plans for thirteen-classroom annex to Fairmount elementary school building	8,000 00
<i>Item 54.</i> — Eliot-Hancock District, North End: Land for eighteen-classroom elementary school building with basement assembly room, ...	120,000 00
<i>Item 55.</i> — Eliot-Hancock District, North End: Plans for eighteen-classroom elementary school building with basement assembly room.	25,000 00
<i>Item 56.</i> — Eliot-Hancock District, North End: Construction of eighteen-classroom elementary school building with basement assembly room, ...	400,000 00
<i>Item 57.</i> — Gilbert Stuart District, Dorchester: Plans for thirteen-classroom unit of elementary school building on Morton street, corner of Pine Ridge road	8,000 00
<i>Item 58.</i> — Gilbert Stuart District, Dorchester: Construction of thirteen-classroom unit of elementary school building	200,000 00

Carried forward \$4,018,071 14

<i>Brought forward</i>	\$4,018,071 14
<i>Item 59.</i> — Henry Grew District, Hyde Park: Plans for thirteen-classroom annex to Henry Grew elementary school building	8,000 00
<i>Item 60.</i> — Henry L. Higginson District, Rox- bury: Plans for thirteen-classroom elementary school building with basement assembly room,	8,000 00
<i>Item 61.</i> — Henry L. Higginson District, Rox- bury: Construction of thirteen-classroom ele- mentary school building with basement assembly room	220,000 00
<i>Item 62.</i> — Henry L. Higginson District, Rox- bury: Furnishing of thirteen-classroom ele- mentary school building with basement assem- bly room	7,500 00
<i>Item 63.</i> — Longfellow District, Roslindale: Plans for thirteen-classroom elementary school building	8,000 00
<i>Item 64.</i> — Robert Gould Shaw District, West Roxbury: Plans for thirteen-classroom ele- mentary school building	8,000 00
<i>Item 65.</i> — Robert Gould Shaw District, West Roxbury: Construction of thirteen-classroom elementary school building	200,000 00

On November 17, 1930, the School Com-
mittee passed the following order:

Ordered, That in accordance with the provi-
sions of chapter 313 of the Acts of 1930, the
following appropriation is hereby made for
the purpose of meeting the cost of a new land
and building item:

<i>Item 67.</i> — Warren-Bunker Hill District, Charles- town: Construction of thirty-classroom unit of forty-classroom intermediate school building	258,178 86
--	------------

On November 17, 1930, the School Com-
mittee passed the following order:

Ordered, That the sum of \$255,228.50 resulting
from the sale of city property, schools, special
funds, as reported by the City Auditor, is
hereby appropriated as follows:

<i>Item 67.</i> — Warren-Bunker Hill District, Charles- town: Construction of thirty-classroom unit of forty-classroom intermediate school building	255,228 50
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Total amount appropriated	<u>\$4,990,978 50</u>
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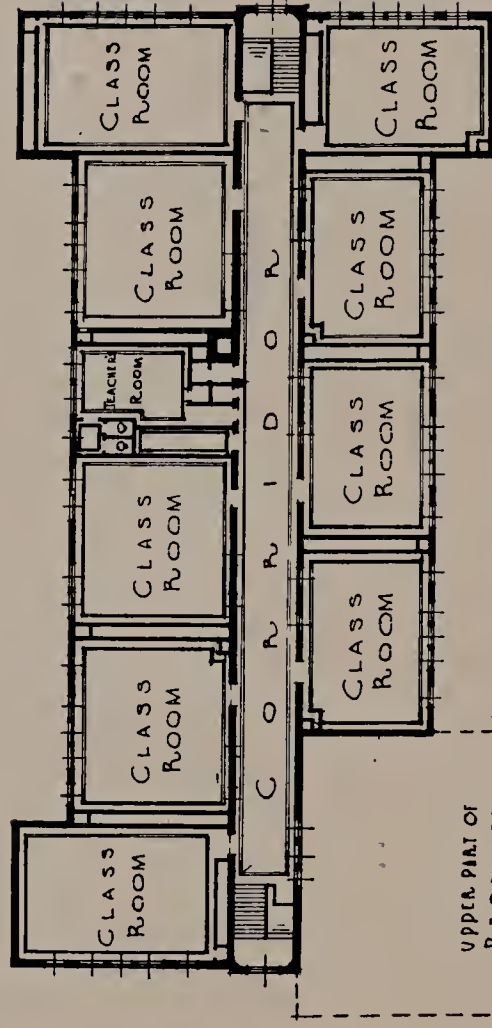
[Faint handwritten notes, possibly bleed-through from the reverse side.]



ADDITION TO WILLIAM ELLERY CHANNING SCHOOL

HENRY GREW DISTRICT—HYDE PARK

JOHN M. GRAY COMPANY—ARCHITECTS
2175 HIGH STREET—BOSTON, MASS.



UPPER PART OF
PROPOSED
ASSEMBLY
HALL.

PLAN OF SECOND FLOOR
SCALE 1/8" = 1' 0"

APPENDICES.

APPENDIX I.

APPROPRIATIONS FOR LAND AND BUILDINGS
FOR SCHOOLS AND RENT OF HIRED
ACCOMMODATIONS.

I.

TOTAL APPROPRIATIONS AND CREDITS RECEIVED BY
THE DEPARTMENT FROM JANUARY 1, 1930, TO
DECEMBER 31, 1930.

Appropriations.

Balance from last year	\$4,048,990 48
Tax levy	4,735,750 00
From sale of old property, etc.	255,228 50
Total	\$9,039,968 98

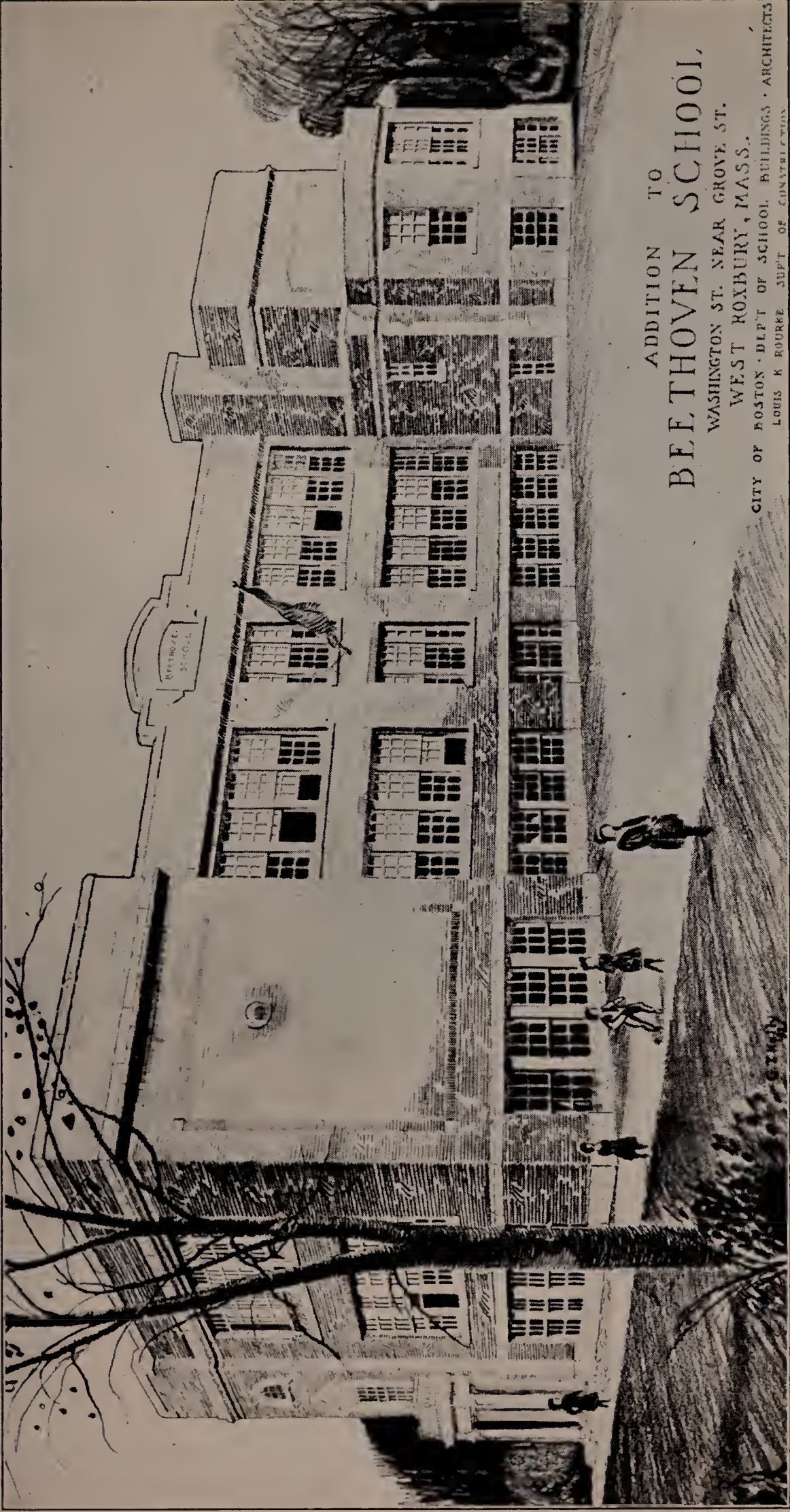
Expenditures.

Amount expended for site, erection and furnishing of new buildings	\$2,102,355 94
Amount expended for administration expenses	89,804 09
Amount expended for enlarging school yards	83,226 13
Amount expended for rent of hired school accommodations	37,121 38
	2,312,507 54
Amount unexpended December 31, 1930	<u>\$6,727,461 44</u>

II.

The following statement shows the expenditures on account of the above appropriation and credits from January 1, 1930, to December 31, 1930.

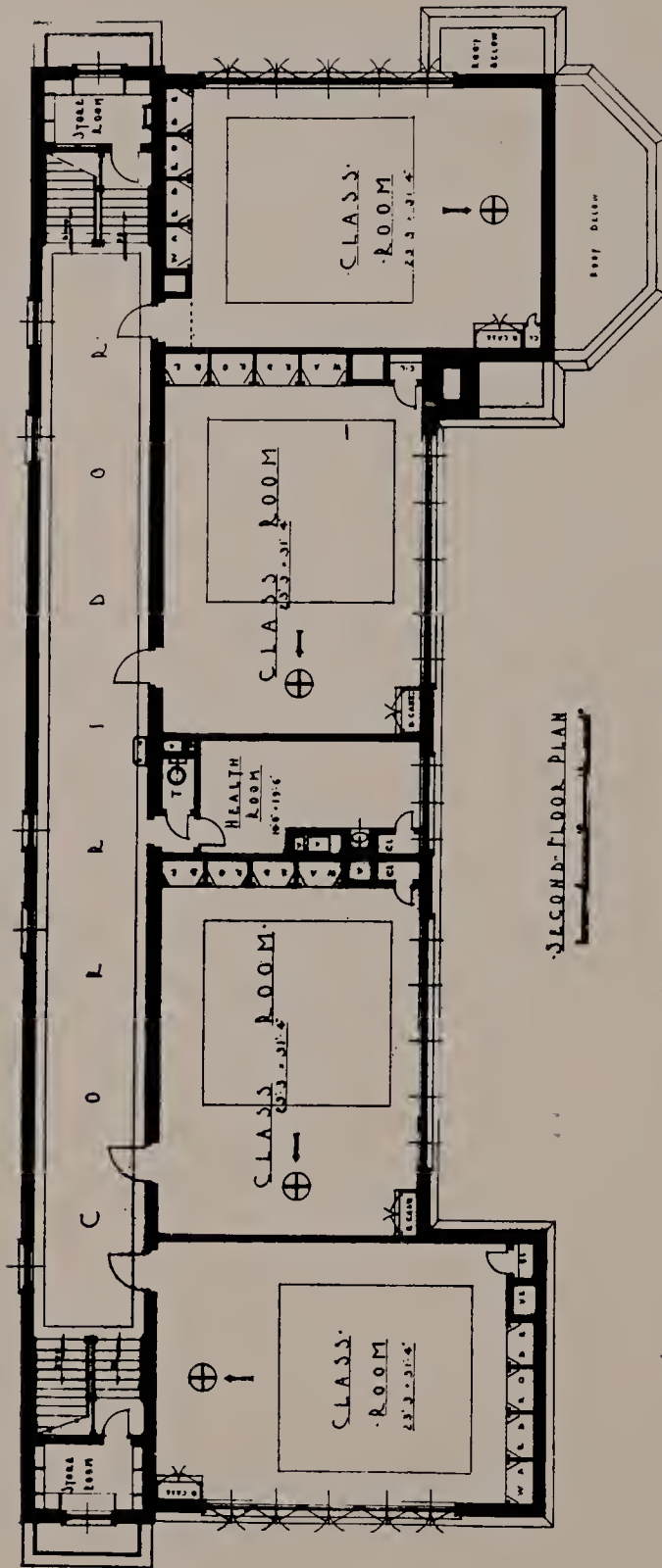
Total expenditures \$2,312,507 54



ADDITION TO
BEEETHOVEN SCHOOL,

WASHINGTON ST. NEAR GROVE ST.
WEST ROXBURY, MASS.

CITY OF BOSTON · DEPT OF SCHOOL BUILDINGS · ARCHITECTS
LOUIS H. ROORKE · SUPT OF CONSTRUCTION



SECOND FLOOR PLAN

—SECOND FLOOR ADDITION TO THE—
—BEETHOVEN SCHOOL—

—WASH ST. NEAR GROVE ST — WEST BOSTON —

—CITY OF BOSTON —

—DEPARTMENT OF SCHOOL BUILDINGS —

—ALTERATION & REPAIR DIVISION —

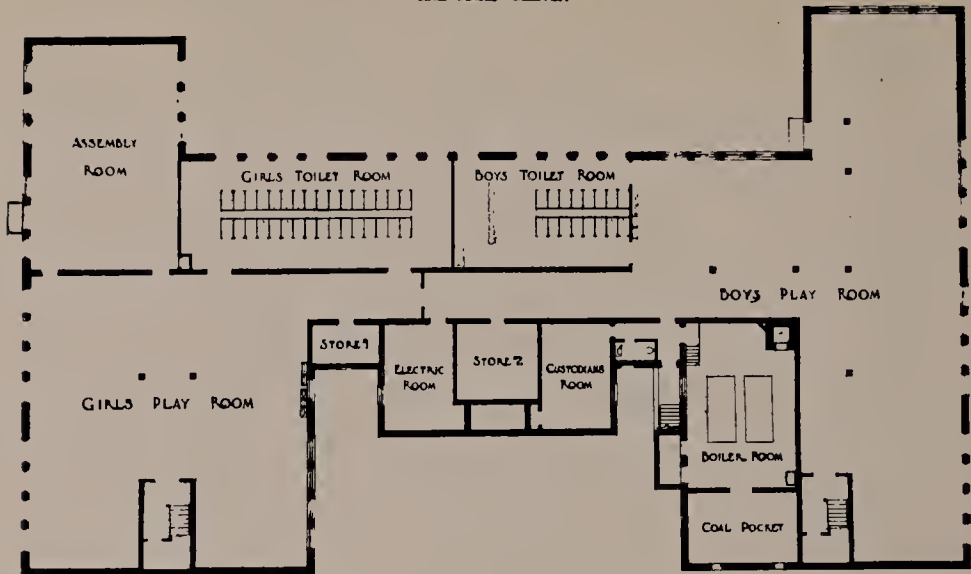
1929

—SYMBOLS—
⊕ INDICATES LOCATION
OF EACH CLASS
ROOM BUILDING
STAIR



ELEMENTARY SCHOOL
CHARLES SUMNER DISTRICT
PASILE STREET WEST ROXBURY
Barra-Clara Architect

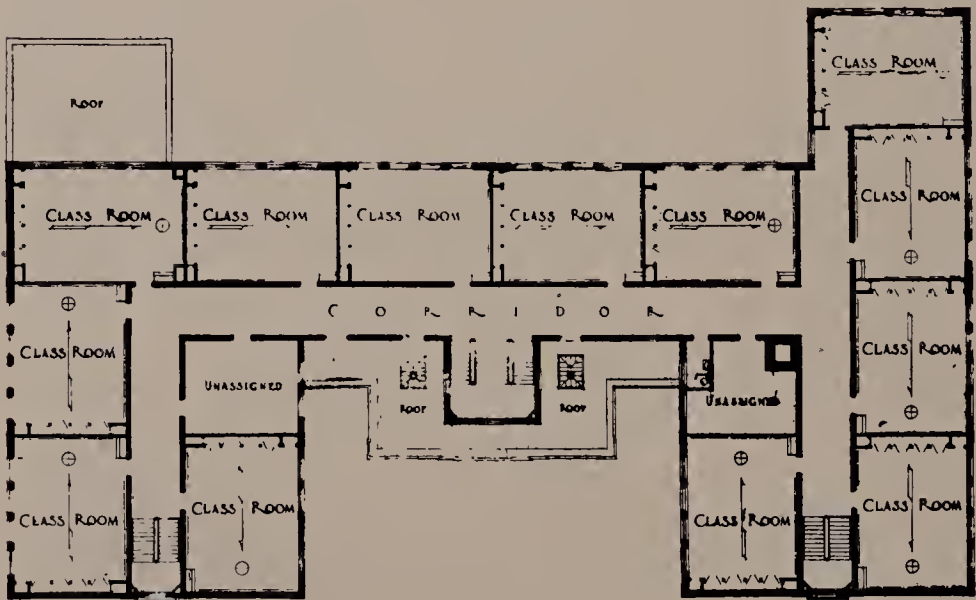
ELEMENTARY SCHOOL CHARLES SUMNER DISTRICT
BASILE STREET - WEST ROCKBURY
MRS. BOASE - ARCHTCT



BASEMENT PLAN
from a photograph



FIRST FLOOR PLAN
from a photograph



SECOND FLOOR PLAN
from a photograph

Administration Expenses.

Superintendent's salary	\$8,000 00	
Employees' salaries	69,883 87	
Blueprint machine	2,100 00	
Office repairs	161 91	
New furniture	1,117 05	
Automobile expenses (5 cars)	3,583 36	
Experts' services	132 86	
Photographs	215 12	
Advertising	26 40	
Subscriptions	12 29	
Printing	43 45	
Blueprinting supplies	1,098 50	
Drafting supplies	510 59	
Engineers' supplies	524 24	
Office supplies	202 60	
Annual reports	561 85	
New cars	1,630 00	
		\$89,804 09

Hired Accommodations.

Rents	\$36,590 00	
Taxes	88 69	
Insurance	233 94	
Miscellaneous	208 75	
		37,121 38

*Continuation of Payments.**Agassiz-Bowditch Districts.*

Addition to yard of Jamaica Plain High School.

Site: Experts' services 50 00

*Agassiz-Bowditch Districts.*Plans for forty classroom intermediate school,
McLaughlin & Burr, Architects.

Architect 1,616 28

*Bennett District. (Brighton High School.)*Land and construction of high school for boys
and girls. Rugo Construction Company,
Inc., Contractors. O'Connell & Shaw,
Architects.

Building	\$441,497 38	
Architect	11,347 22	
Advertising	6 25	
Hardware	20,006 52	
Blueprints	39 15	

<i>Carried forward</i>			\$472,896 52	\$128,591 75
----------------------------------	-------	-------	--------------	--------------

Brought forward . . . \$472,896 52 \$128,591 75

Continuation of Payments.—Cont.

Clerk of works	1,216 17	
Locks	203 95	
Tablet	622 00	
Special equipment	9,578 70	
Underground conduit	75 00	
Electrical work	96 56	
Stage rigging	1,410 00	
Floor treatment	235 00	
Flagpole	147 50	
Photographs	114 00	
Carpentry	223 00	
Signs	48 10	
Painting	23 50	
		486,890 00

Bowditch District.

Addition to yard of Margaret Fuller School.

Site: snow removal 5 00

Bennett District.

Plans for six-room addition to Harriet A. Baldwin School. A. J. Carpenter, Architect.

Architect	\$2,667 12
Test pits	154 17

2,821 29

Bennett District.

Addition to yard of Alexander Hamilton School.

Site: Experts' services	\$1,815 00
Land-execution of court	28,322 30

30,137 30

Bennett District.

Plans for eight-room addition to Alexander Hamilton School. George Nelson Jacobs, Architect.

Architect	861 75
---------------------	--------

Bowditch District.

Plans and construction of four-room addition to Margaret Fuller School. Funk & Wilcox, Architects. M. Spinelli & Sons, Contractors.

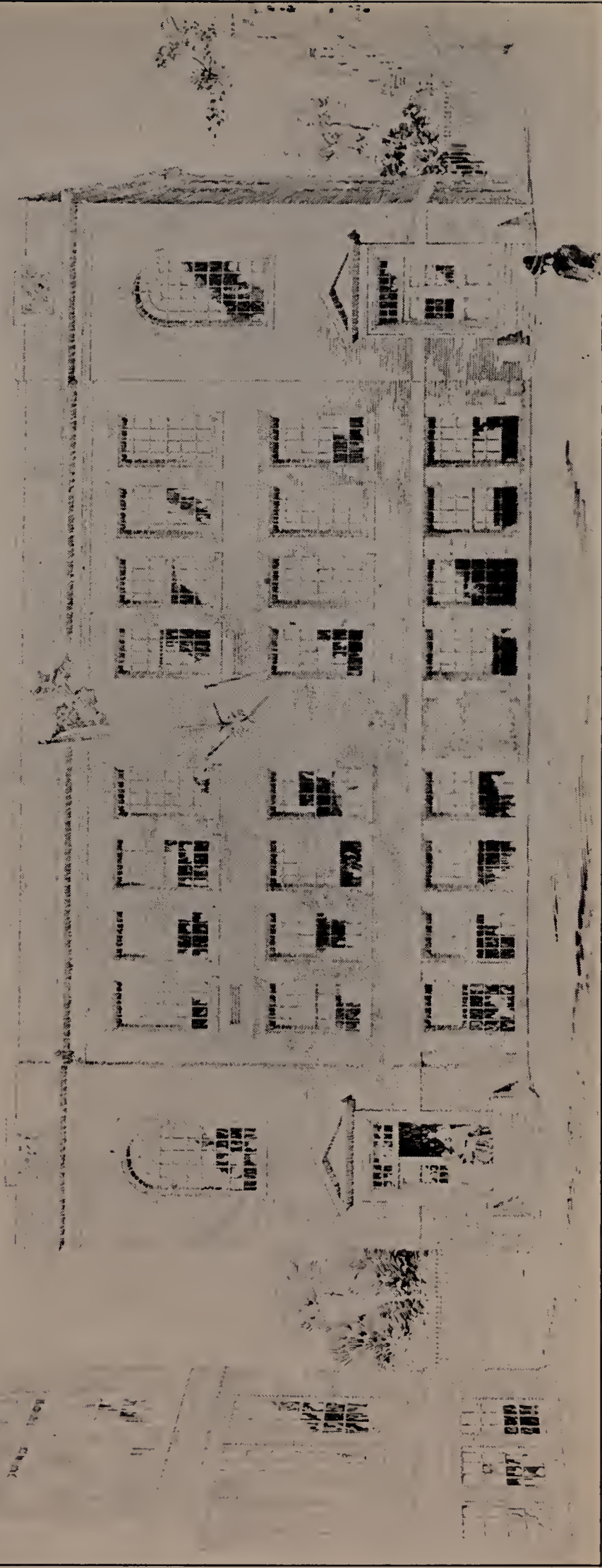
Building	\$56,514 06
Specifications	789 27

<i>Carried forward</i>	\$57,303 33	\$649,307 09
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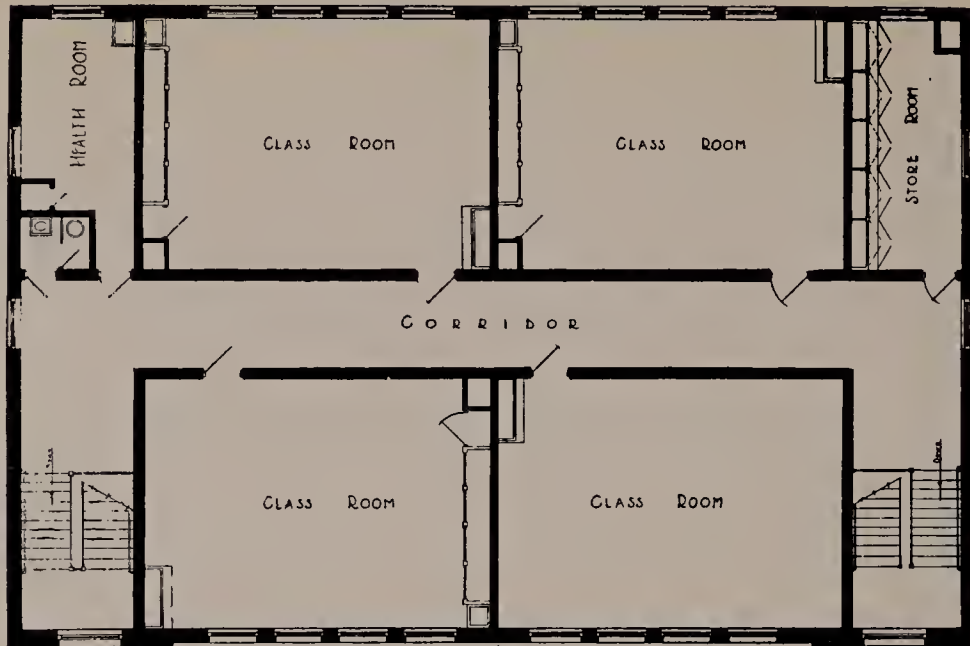
CLASSES 3 GRANT DISTRICT - SPECIAL CLASS CENTRE
 DEPARTMENT OF SCHOOL BUILDINGS FOR THE CITY OF BOSTON

Class 3 W. Grant

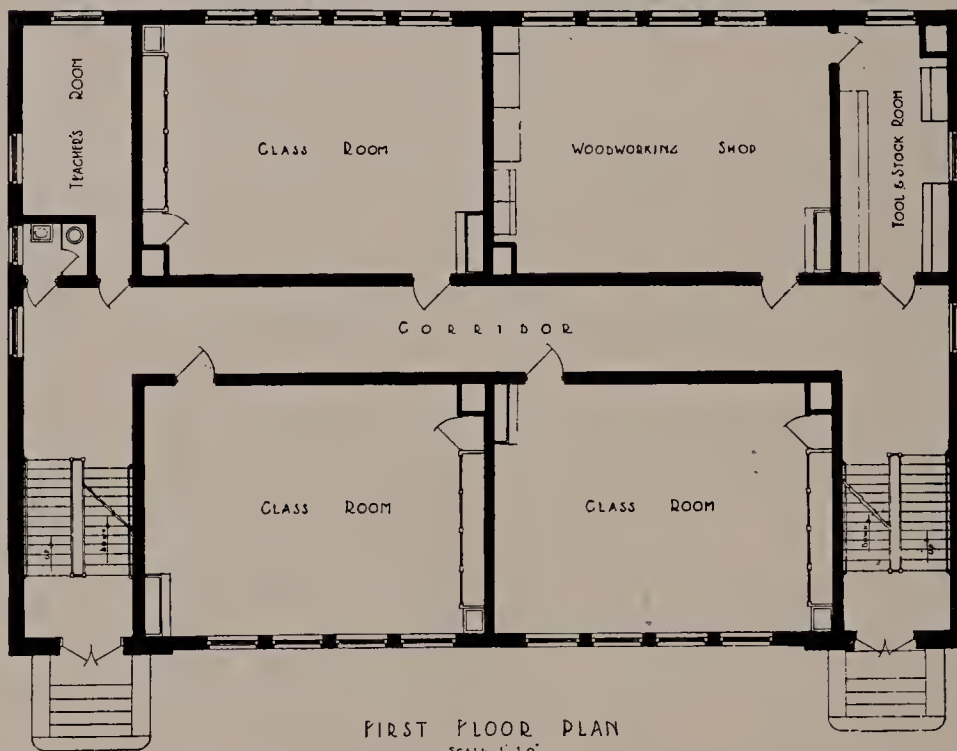
100 Belmont Street Boston Mass



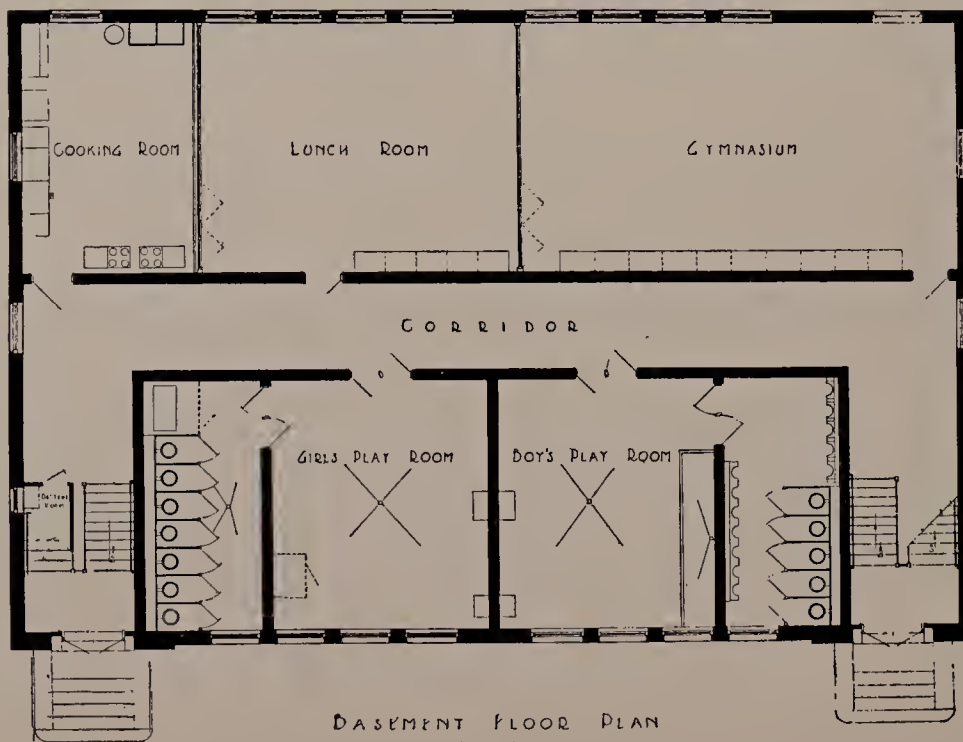
City of Boston
 SPECIAL CLASS CENTER U.S. GRANT DISTRICT EAST BOSTON
Louis J. St. Amand. Architect 101 TREMONT ST. BOSTON



SECOND FLOOR PLAN
 SCALE $\frac{1}{4}''=1'-0''$



FIRST FLOOR PLAN
 SCALE $\frac{1}{4}''=1'-0''$



BASEMENT FLOOR PLAN
 SCALE $\frac{1}{4}''=1'-0''$

Brought forward . . . \$57,303 33 \$649,307 09

Continuation of Payments.—Cont.

Clerk of works	1,190 97	
Blueprints	188 70	
Advertising	12 00	
Locks	6 45	
Gas fitting	23 35	
Hardware	875 00	
Seeds	3 50	
		59,603 30

Bowditch District.

Enlargement of school yard.

Land	\$13,500 00	
Experts' services	35 00	
		13,535 00

Charles Sumner District.

Enlargement of school yard.

Experts' services	\$300 00	
Photographs	25 00	
		325 00

Charles Sumner District.

Land and thirteen-room elementary building.

Site:

Experts' services	125 00
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Continuation School.

Land and construction of boys' and girls' units, with hall, shops, etc. Joseph Rugo, Contractor on first unit; Joseph A. Singarella, Contractor on second unit. Joseph J. Driscoll, Architect on both units.

Building	\$35,977 72	
Architect	3,092 86	
Clerk of works	12 60	
Electrical	115 39	
Carpentry	199 00	
		39,397 57

Continuation School, Girls' Unit.

Equipment of Girls' Unit, Continuation School.

Equipment	2,708 58
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Dudley District.

Land and construction of twenty-four classroom intermediate school.

Site: Snow removal	16 50
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<i>Carried forward</i>		\$765,018 04
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Brought forward \$765,018 04

Continuation of Payments.—Continued.

Dearborn District.

Land and construction of twenty-room building, including auditorium, etc. Charles R. Greco, Architect. Matthew Cummings Company, Inc., Contractors.

Building (execution of court) .	\$76,146 91
Experts' services (in connection with execution of court),	2,358 00
Grille work	142 00
Carpentry	21 64
Hardware	380 00
Furnishings	1,277 67

80,326 22

Edmund P. Tileston District.

Land, plans and construction of intermediate school. Desmond & Lord, Architects. Matthew Cummings Company, Inc., Contractors.

Building	\$332,195 55
Architect	9,261 36
Clerk of works	1,247 68
Land	16,622 52
Experts on land	770 00
Hardware	19,243 74
Setting bounds	452 00
Electrical work	52 95
Seeds	179 20
Underground conduits	1,326 00
Carpentry	222 24
Photographs	34 00

381,607 24

Elihu Greenwood District.

Land and plans for thirteen-room elementary school. M. A. Dyer Company, Architects.

Land	\$782 00
Land, experts' services	75 00

857 00

Elihu Greenwood District.

Land and construction of thirty-six room high school for boys and girls. McLaughlin & Burr, Architects. Paul Caputo, Contractor.

Land (execution of court) .	\$2,913 08
Experts' services, land	50 00

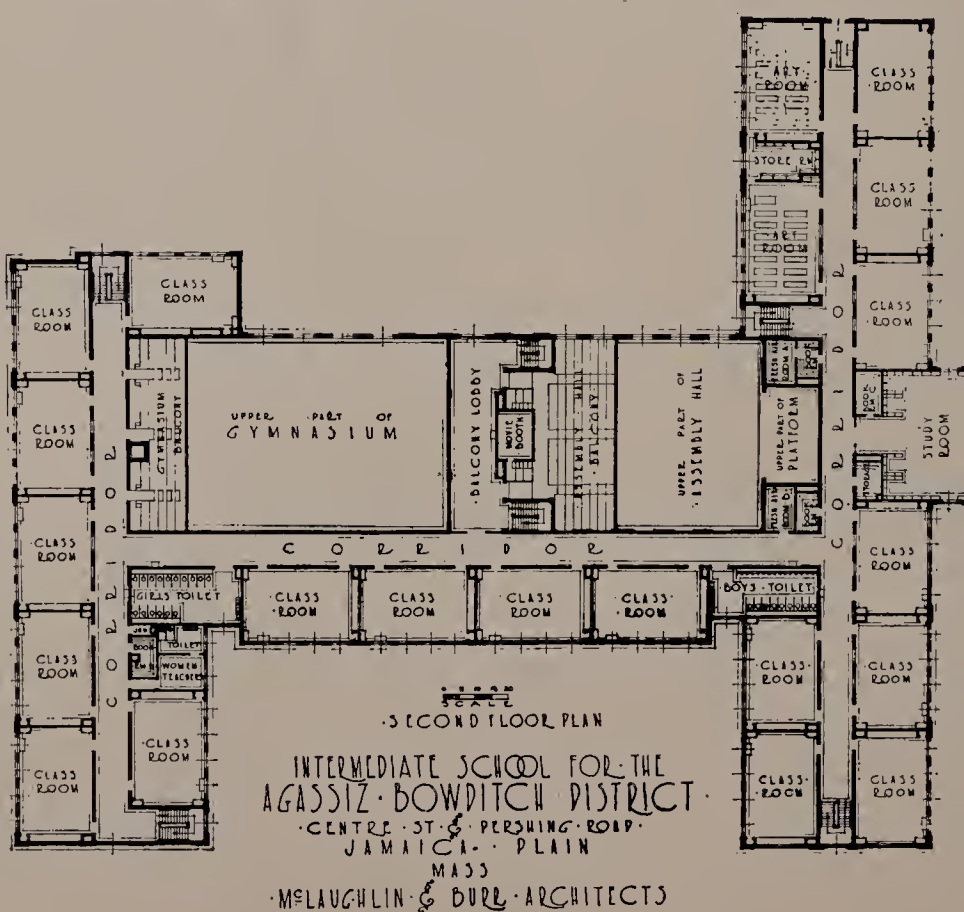
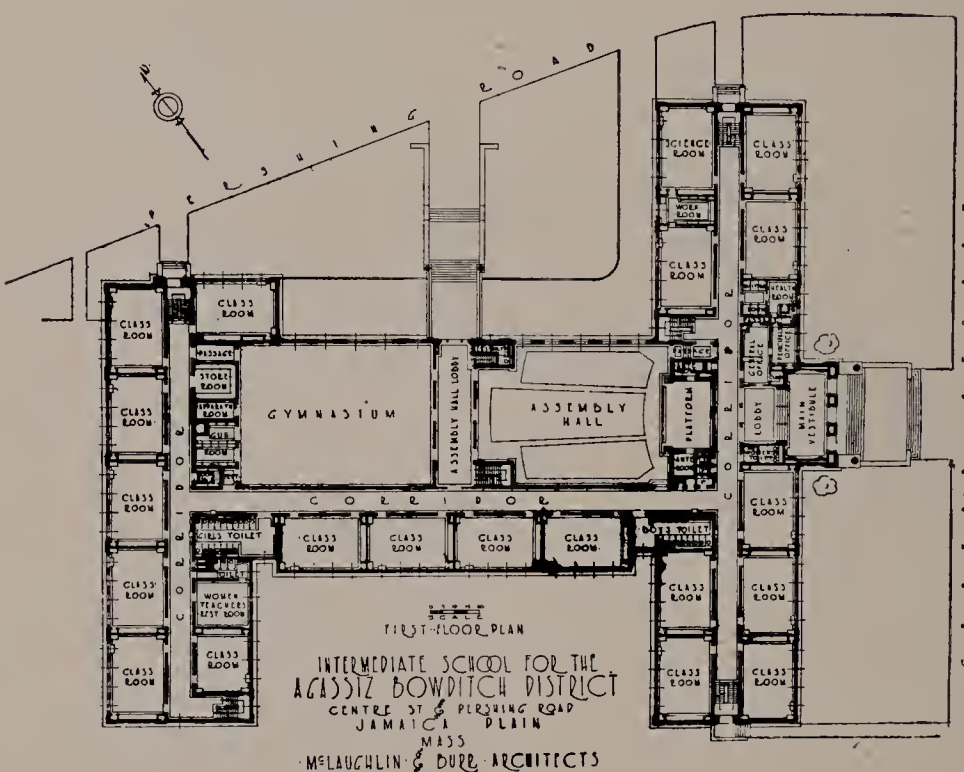
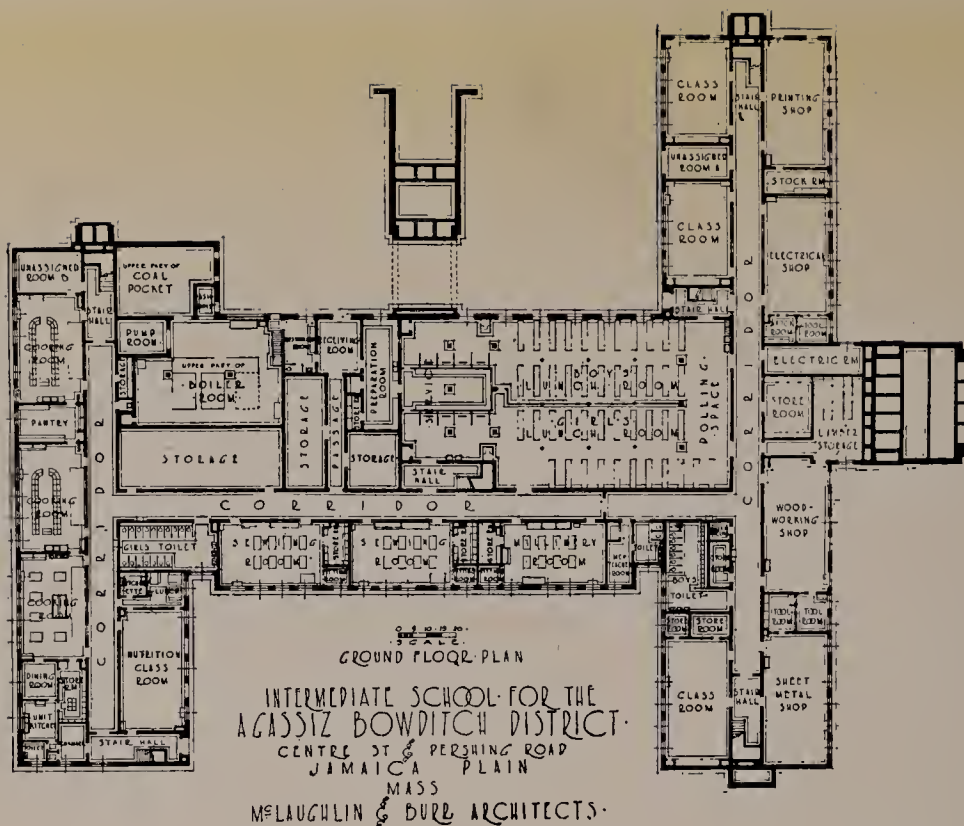
2,963 08

Carried forward \$1,230,771 58

INTERMEDIATE SCHOOL FOR THE
 AGASSIZ - BOWDITCH DISTRICT
 CORNER OF AGASSIZ AND JARVIS STS. BOSTON
 CITY OF BOSTON
 DEPARTMENT OF SCHOOL BUILDINGS



McLaughlin & Barr - Architects



Brought forward \$1,230,771 58

Continuation of Payments.—Continued.

Eliot District.

Addition to yard of Pormort School.

Experts' services, land 225 00

Everett District.

Land and intermediate twenty-to-twenty-four room building with combination gymnasium, hall, etc. Funk & Wilcox, Architects.

Advertising (building wrecking) \$5 00

Demolition of buildings 717 75

Cleaning lot 99 75

822 50

Gilbert Stuart District.

Site for forty-room intermediate school.

Land \$66,267 60

Experts on land 485 00

66,752 60

Henry Grew District.

Land for kindergarten and twelve-room building.

Experts' services on land 150 00

John A. Andrew District.

Enlargement of yard.

Land \$4,250 00

Experts' services on land 50 00

4,300 00

Lewis District.

Preparation of Dunreath Street, lot for playground purposes. Joseph B. Doyle, Grading Contractor.

Grading \$1,260 00

Advertising 4 75

1,264 75

Longfellow District.

Land and construction of twelve-room building. Newhall & Blevins, Inc., Architects. D. D. W. Company, Inc., Contractors.

Land \$1,200 00

Furnishings 10 26

1,210 26

Carried forward \$1,305,496 69

Brought forward \$1,305,496 69

Continuation of Payments.—Continued.

Martin District: Public Latin School.

Land for addition to yard.

Land \$1,500 00
Experts' services, land 1,120 00

2,620 00

Martin District.

Purchase of land and building at No. 440
Brookline Avenue.

Experts' services on property 50 00

Michelangelo District.

Plans for shop and gymnasium, etc., J. M.
Gray Company, Architects.

Architects 5,937 13

Michelangelo District.

Construction of Annex, John Bowen Com-
pany, Contractors.

Building \$214,439 91
Clerk of works 1,732 89
Blueprints 12 87
Hardware 1,878 25
Advertising 13 25
Teaming 6 50
Photographs 50 00

218,133 67

Minot District.

Plans and construction of nine-room addition
to Thomas J. Kenny School. J. M. Gray
Company, Architects. Frank Imhof
Company, Contractors.

Building \$93,932 04
Clerk of works 571 46
Blueprints 134 46
Hardware 664 75
Photographs 16 00

95,318 71

Prince District.

Land and construction of four-room unit and
Grades I to III. George Ernest Robin-
son, Architect. Frank Imhof Company,
Contractors.

Building \$31,760 50
Architect 1,388 45
Blueprints 12 00

33,160 95

Carried forward \$1,660,717 15



ALEXANDER HAMILTON ADDITION.

(George Nelson Jacobs, Architect.)

Brought forward \$1,660,717 15

Continuation of Payments.—Continued.

Prince District.

Equipment of Martin Milmore School.

Equipment 602 40

Robert Gould Shaw District.

Land for thirteen-room elementary school.

Expert services on land . . . \$75 00

Photographs 20 00

95 00

Roxbury High School.

Land and construction of thirty-six-room girls' and thirty-six-room boys' high school. Harrison H. Atwood, Architect. Thomas O'Connor & Co., Contractors.

Furnishings 1,809 00

Roger Wolcott District.

Plans for six-room addition to William Bradford School. Dana Somes, Architect.

Expert on foundation 18 25

Ulysses S. Grant District.

Enlargement of school yard.

Land \$16,998 00

Experts' services on land . . . 210 00

17,208 00

Ulysses S. Grant District.

Plans for four-room special class center.

Louis J. St. Amand, Architect.

Architect \$2,875 00

Borings 200 00

3,075 00

Warren-Bunker Hill District.

Addition to Bunker Hill School Yard.

Land \$4,921 50

Experts' services on land . . . 150 00

5,071 50

Warren-Bunker Hill District or Prescott District.

Land or additions and reconstruction of existing buildings. To provide additional intermediate school accommodations.

Land \$88,600 50

Experts on site 808 75

Carried forward \$89,409 25 \$1,688,596 30

Brought forward . . . \$89,409 25 \$1,688,596 30

Continuation of Payments.— Concl.

Advertising, building wreck-		
ing	16 25	
Demolition of buildings . . .	3,757 50	
		93,183 00

William Lloyd Garrison School.

Plans and construction of addition. A. J.
Carpenter, Architect. Lamont Brothers
Company, Inc., Contractors.

Building	\$15,086 25	
Architect	991 49	
Carpentry	24 80	
Grading	3,925 00	
Advertising	6 00	
		20,033 54

William Lloyd Garrison School.

Equipment of addition.

Equipment		1,580 26
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Payments on Account.

Agassiz-Bowditch Districts.

Construction of forty-classroom intermediate
school. Matthew Cummings Company,
Inc., Contractors.

Building	\$27,928 80	
Clerk of works	384 93	
Advertising	6 25	
Photographs	60 00	
		28,379 98

Bennett District.

Plans for forty-classroom intermediate school.
Allbright & Blaney, Architects.

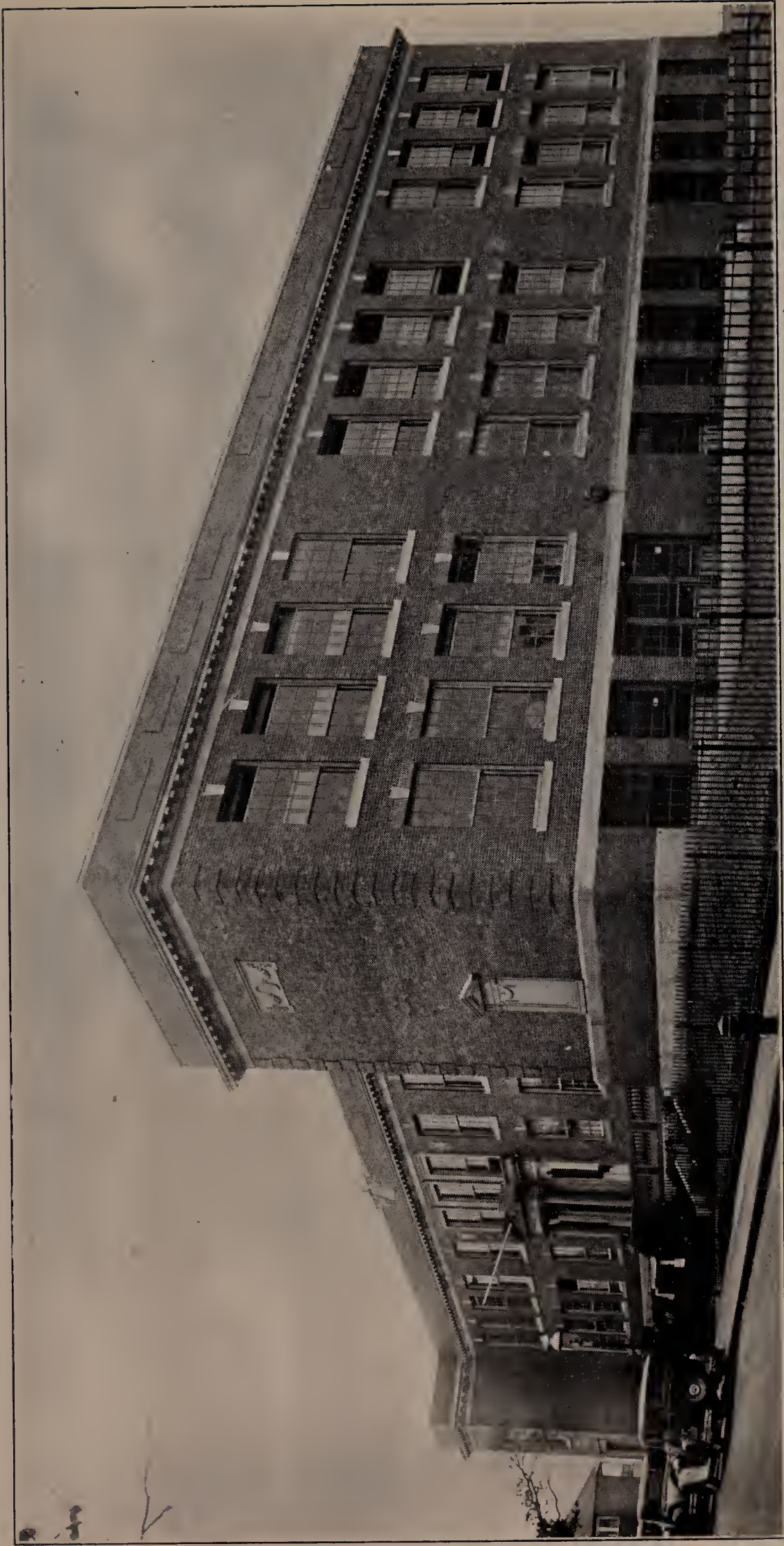
Architect		7,675 30
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Bennett District.

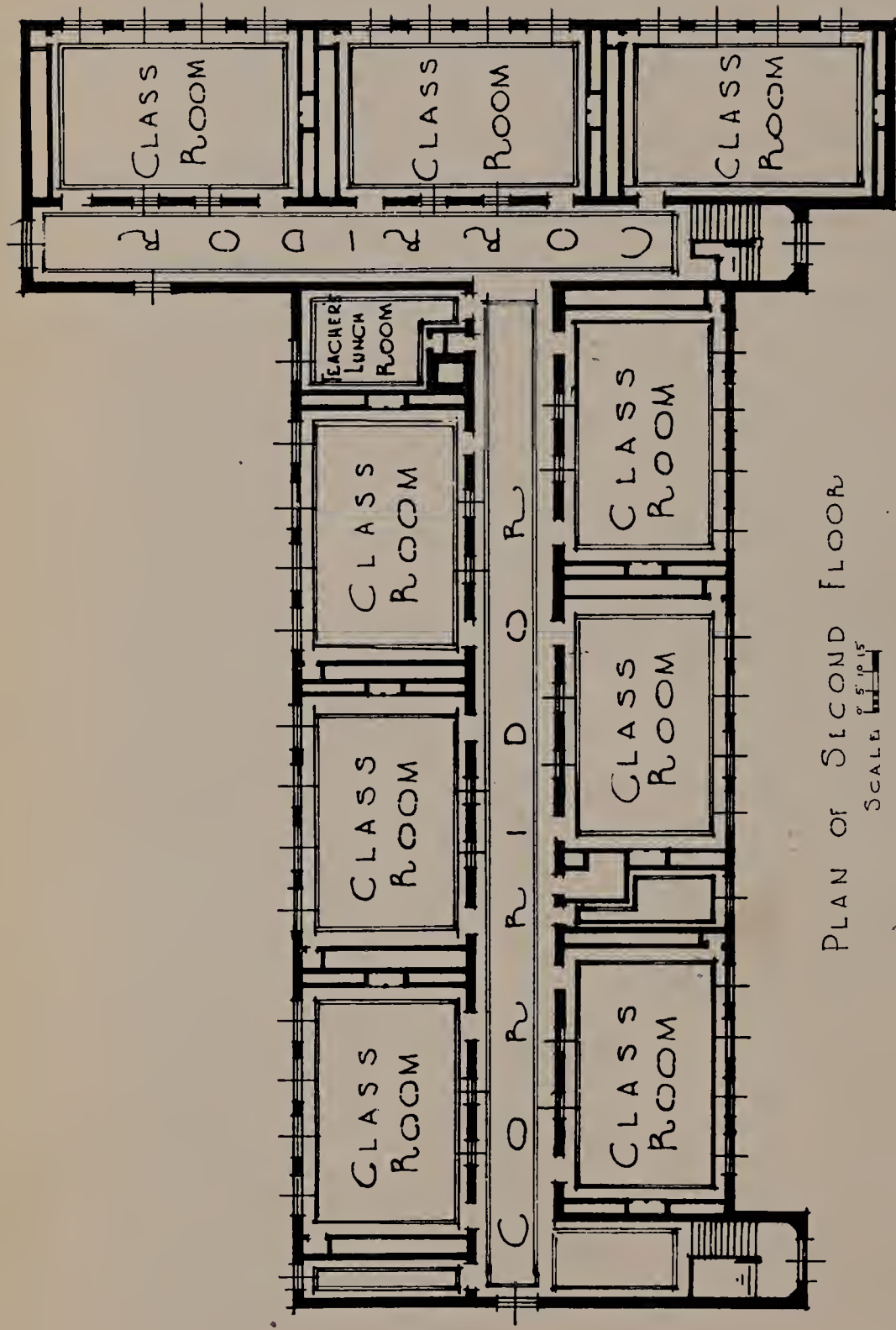
Construction of six-classroom addition to
Harriet A. Baldwin School. Frank Im-
hof Company, Contractors.

Building	\$65,446 87	
Specifications	819 32	
Clerk of works	749 82	
Advertising	7 25	
Locks	55 00	
Painting	272 00	
Seeds	3 50	
Photographs	16 00	
		67,369 76

<i>Carried forward</i>		\$1,906,818 14
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THOMAS J. KENNY ADDITION.
JOHN M. GRAY Co., Architects.



PLAN OF SECOND FLOOR

SCALE 0 5 10 15

ADDITION TO THOMAS J. KENNY SCHOOL, MINOT DISTRICT

OAK AVENUE—NEPONSET

JOHN M. GRAY COMPANY—ARCHITECTS

175 HIGH STREET — BOSTON, MASS.

Brought forward \$1,906,818 14

Payments on Account.—Continued.

Bennett District.

Equipment of addition to Harriet A. Baldwin School.

Furnishings 2,931 75

Bennett District.

Construction of eight-classroom addition to Alexander Hamilton School. Archdeacon & Sullivan, Inc., Contractors.

Building \$78,237 10

Clerk of works 1,014 53

Advertising 6 75

Specifications 734 84

Photographs 70 00

Hardware 82 50

Seeds 16 80

80,162 52

Bowditch District.

Furnishing four-classroom addition to Margaret Fuller School.

Furnishings 1,741 74

Bigelow District.

Land for thirteen-classroom elementary school.

Land, photographs 10 00

Bennett District (Brighton High School).

Finish grading. Rugo Construction Company, Inc., Contractors.

Grading \$82,108 17

Advertising 6 75

Clerk of works 705 76

82,820 68

Bennett District (Brighton High School).

Equipment of thirty-six-classroom boys' and girls' high school.

Furnishings 60,329 60

Chapman District.

Land for thirteen-classroom elementary school building.

Land, photographs 115 00

Carried forward \$2,134,929 43

Brought forward \$2,134,929 43

Payments on Account.— Continued.

Charles Sumner District.

Plans for thirteen-classroom elementary school building. Dana Somes, Architect.

Borings \$47 25
Architect 6,768 00

6,815 25

Eliot-Hancock District.

Land for eighteen-room elementary building with basement assembly room.

Land, photographs 50 00

Edmund P. Tileston District.

Equipment of Solomon Lewenberg School.

Furnishings 10,677 52

Emerson District.

Land and plans for thirteen-classroom elementary building with basement auditorium.

Land, photographs 40 00

Emily A. Fifield District.

Grading of yard of Robert Swan School. J. A. Sprissler, Grading Contractor.

Grading 5,760 00

Elihu Greenwood District.

Construction of thirteen-room unit of elementary school building. John Bowen Company, Contractors.

Advertising \$7 00
Clerk of works 302 47
Photographs 35 00

344 47

Francis Parkman District.

Plans for eight-classroom addition to Edwin P. Seaver elementary school building. John F. Cullen, Architect.

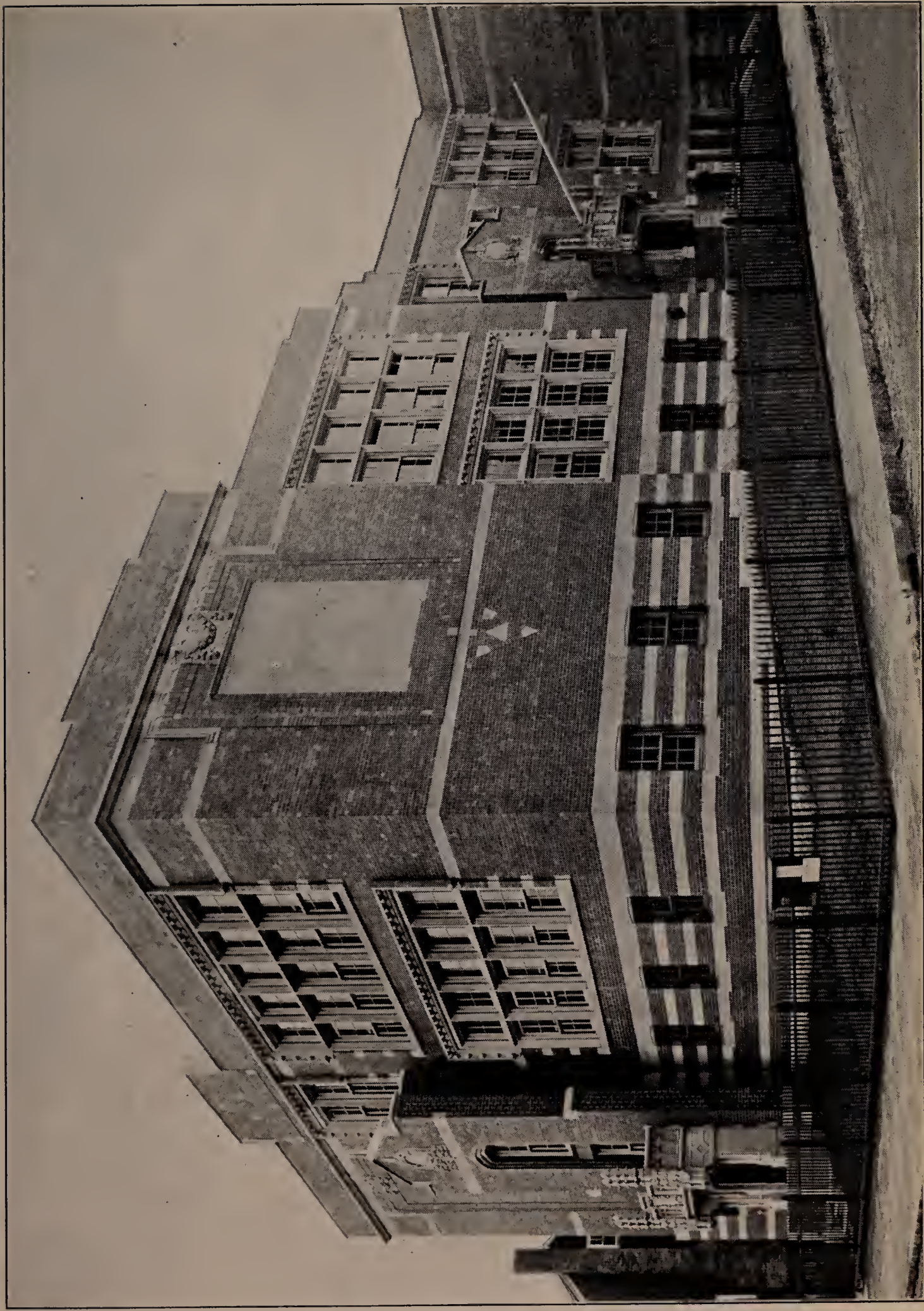
Architect 4,398 00

Elihu Greenwood District.

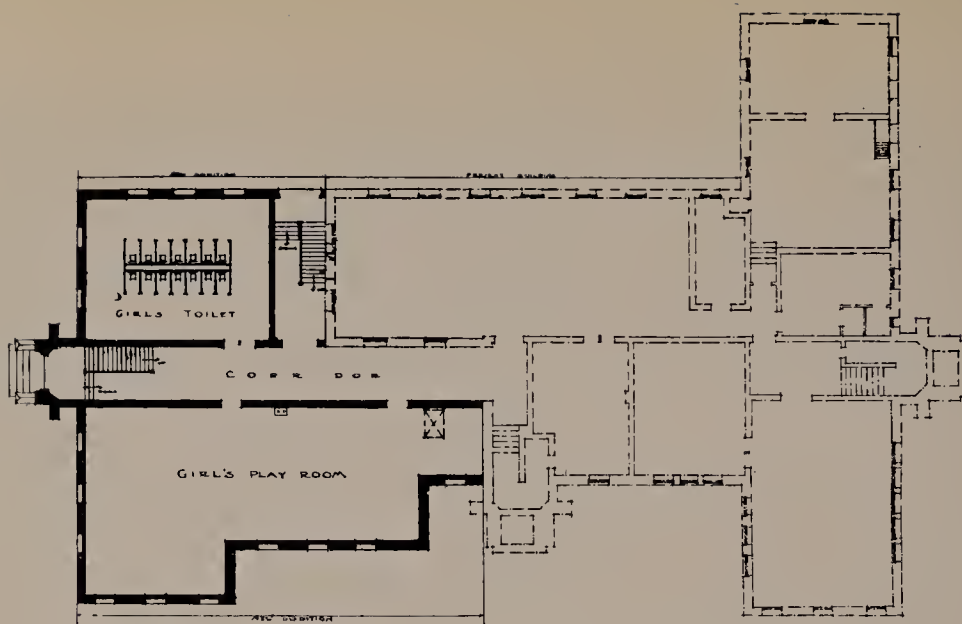
Land for thirteen-classroom annex to Elihu Greenwood elementary school building.

Land, photographs 40 00

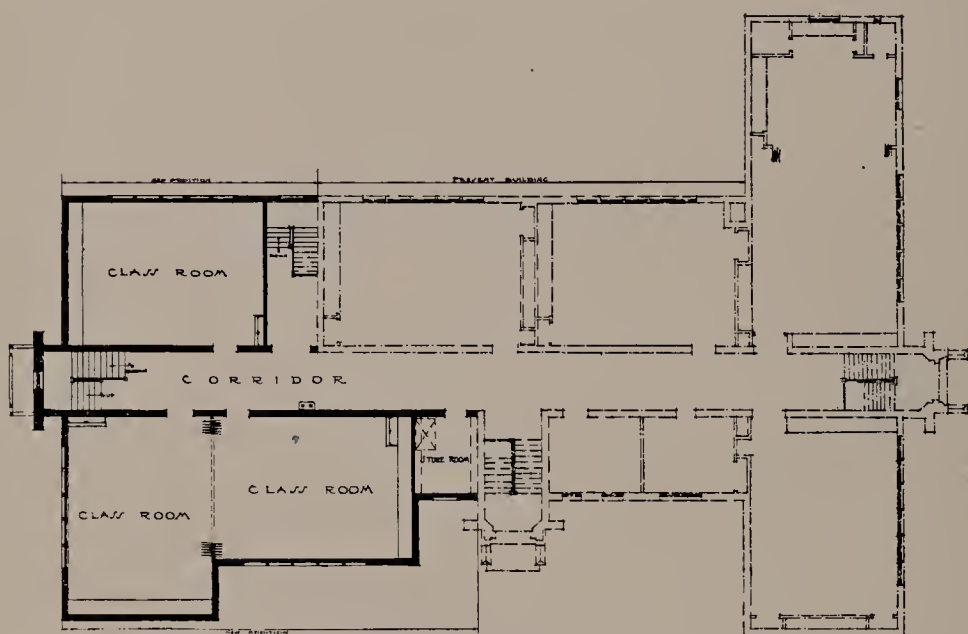
Carried forward \$2,163,054 67



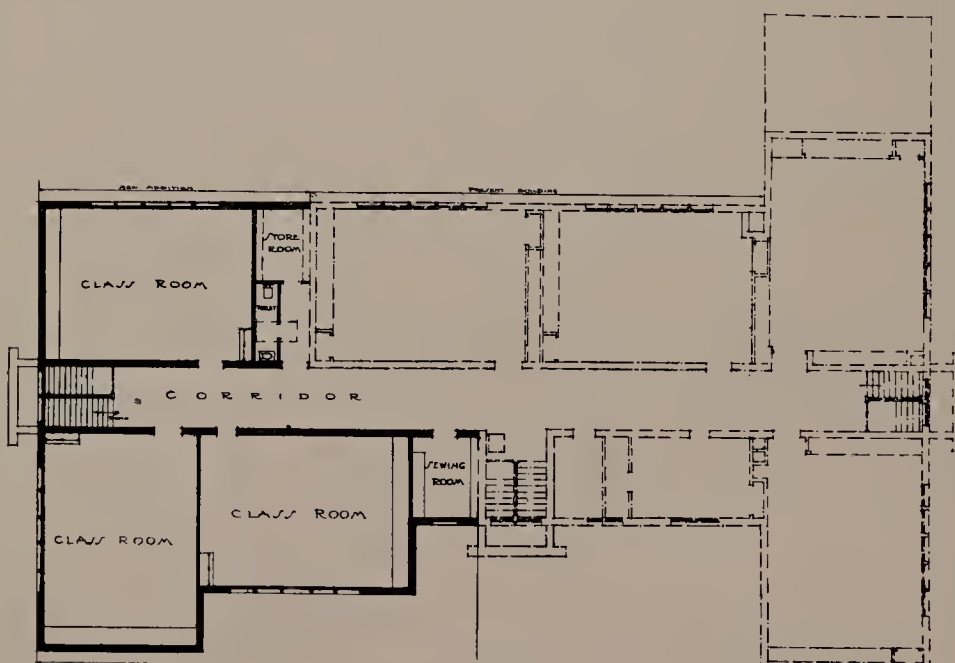
HARRIET A. BALDWIN SCHOOL ADDITION.
A. J. CARPENTER, Architect.



- BASEMENT PLAN -
SCALE 1/8" = 1'-0"



- FIRST FLOOR PLAN -
SCALE 1/8" = 1'-0"



- SECOND FLOOR PLAN -
SCALE 1/8" = 1'-0"

HARRIET A. BALDWIN SCHOOL ADDITION.
FLOOR PLANS.

Brought forward \$2,163,054 67

Payments on Account.—Continued.

Henry Grew District.

Construction of nine-room addition to William Ellery Channing School. Hub Construction Company, Contractors.

Specifications	\$263 65	
Clerk of works	126 03	
		389 68

Henry Grew District.

Plans for nine-room addition to William Ellery Channing School. John M. Gray Company, Architects.

Plans	1,675 19
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Longfellow District.

Land for thirteen-room elementary school.

Land, advertising	10 75
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Henry Grew District.

Land for thirteen-classroom annex to Henry Grew elementary school building.

Photographs, land	30 00
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Martin District.

Plans for fifty-classroom high school. Harrison H. Atwood, Architect.

Borings	\$980 64	
Architect	16,476 00	
		17,456 64

Michelangelo Intermediate District.

Equipment of annex.

Furnishings	94 70
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Minot District.

Equipment of addition to Thomas J. Kenny School.

Furnishings	3,882 66
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Roger Wolcott District. (William Bradford Addition.)

Construction of six-room addition. John Bowen Company, Contractors.

Building	\$38,937 60	
Specifications	727 25	
Clerk of works	44 11	
Plumbing	950 40	
		40,659 36

<i>Carried forward</i>	\$2,227,253 65
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Brought forward \$2,227,253 65

Payments on Account.—Concluded.

Robert Gould Shaw District.

Construction and furnishing of four-room
addition to Beethoven School.

Specifications 276 55

Thomas Gardner District.

Land for thirteen-classroom elementary school
building.

Advertising, land 11 75

Balance of Payments.

Agassiz-Bowditch Districts.

Land and addition, school accommodations.

Experts' services, land . . . \$50 00

Cleaning of snow . . . 27 00

77 00

Summary.

Land \$116,037 77

Care of lot 173 52

Demolition of buildings . . . 940 00

Fence 524 00

Total \$117,675 29

Christopher Gibson District.

Land for high school.

Land \$39,266 00

Expert services, land . . . 165 00

Removal of snow . . . 27 00

39,458 00

Summary.

Land \$39,266 00

Advertising 11 50

Experts, land 365 00

Snow removal 27 00

Total \$39,669 50

Francis Parkman District.

Land and construction of five-room unit of
eleven-room elementary building. All-
bright & Blaney, Architects. M. S.
Kelliher Company, Contractors.

Building \$1,000 00

Building, execution of court . . 39,980 62

Architect 1,117 29

42,097 91

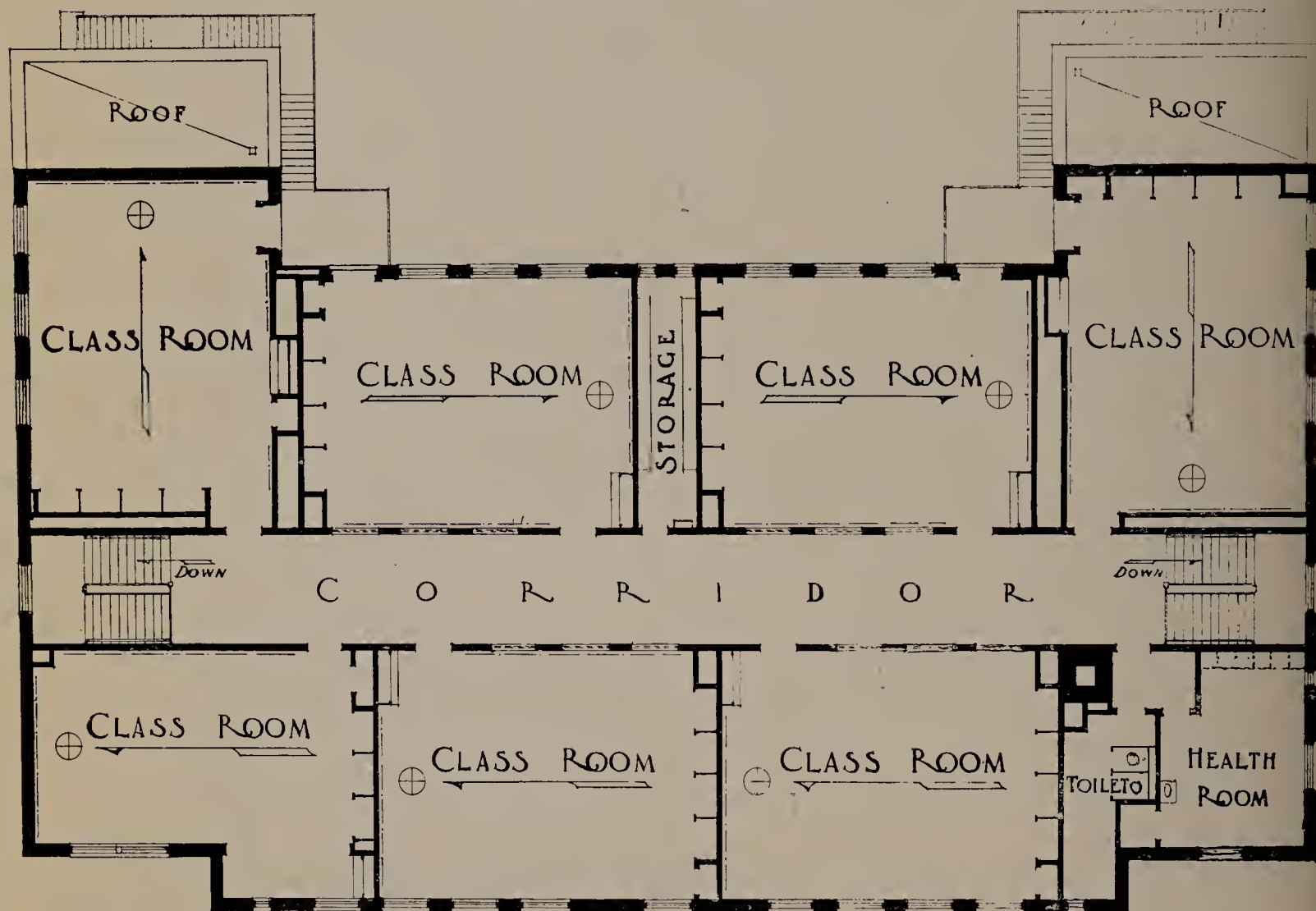
Carried forward \$2,309,174 86



WILLIAM BRADFORD ADDITION.
DANA SOMES, Architect.

ADDITION TO WILLIAM BRADFORD SCHOOL

WILLOWWOOD STREET - DORCHESTER MASS.
DANA SOMES - ARCHITECT



SECOND FLOOR PLAN
SCALE = 0 5 10

Brought forward \$2,309,174 86

Balance of Payments.— Concluded.

Robert Treat Paine District.

Fencing and grading of play space. D. M.

Biggs & Co., Grading Contractors.

Grading 2,724 58

Charles Sumner District.

Construction of thirteen-room elementary
school building. Basile street. J. A.

Singarella, Contractor.

Clerk of works 81 92

*Roger Wolcott District. (William Bradford Ad-
dition.)*

Equipment for William Bradford addition.

Furnishings 526 18

\$2,312,507 54

APPENDIX II.

HIRED BUILDINGS.

I.

Rooms in the following buildings have been hired for school purposes; rents, taxes, water rates, heating, lighting and janitors' expenses paid for the same, amounting to \$37,121.38, during the year from January 1, 1930, to December 31, 1930.

For	Location.	Remarks.
Agassiz District	Winchester road	Rent per annum, \$500. Land, only.
¹ Bowditch District	Forest Hills street, 93	Rent per annum, \$1,500, city to furnish heat, light and custodian's service.
Eliot District, special classes..	North Bennet street, 39	Rent per annum, \$5,695, including heat, light, water and custodian's service.
² Edmund P. Tileston District,	Cook street	Rent per annum, \$350, including heat, light and custodian's service.
Franklin District	Lincoln House	Rent per annum, \$100, including heat, light and custodian's service.
³ George Putnam District, Kindergarten.	Walnut avenue	Rent per annum, \$1,225, including heat and custodian's service.
Girls' High School and English High School.	Tremont Temple, Tremont street.	Used for graduation exercises, Rent for same, \$707.
Hancock District	Moon street	Rent per annum, \$10,950, including heat and custodian's service.
Jamaica Plain High	Lamartine street, 320	Rent per annum, \$1,980, city to furnish heat, light and custodian's service.
Manual Training School	Eliot street, Jamaica Plain	Rent per annum, \$1,200, including heat and custodian's service.

(¹) Rental terminated August 31, 1930.

(²) Rental terminated July 31, 1930.

(³) Rental terminated July 31, 1930.

For	Location.	Remarks.
Robert G. Shaw District	Centre street, 1996	Rent per annum, \$1,173.33, including heat, light and cus- todian's service.
Robert G. Shaw District	Glendale road, 33	Rent per annum, \$720, city to furnish heat, light and cus- todian's service.
Bowditch District	127 Paul Gore street	Rent per annum, \$1,390, including heat, and custodian's service.
Department of School Build- ings Office.	11 Beacon street	Rent per annum, \$22,800, including heat and janitor service.
Robert G. Shaw District	Lasell and Perham streets . .	Rent per annum, \$720, city to furnish heat, light and cus- todian's service.
Department of School Build- ings storehouse	Summer and East First streets.	Rent per annum, \$17,200, including heat.

(4) Rental terminated August 31, 1930.

APPENDIX III.

Table Showing Cost of Buildings in Process of Construction, Cost per Cubic Foot, Children Accommodated and Cost per Pupil.

NOTE.—Rated number of pupils and cost per pupil in elementary schools are figured by actual number of pupils for which the building was originally planned to accommodate in classrooms only. E = Elementary, Grades I–VI. I = Intermediate, Grades VII–IX. H = High. S = Special.

NAME OF SCHOOL BUILDING.	Date of Completion.	Number of Classrooms.	Grade.	Class of Construction.	Building, Heating, Plumbing and Electrical Contracts.	Total Cost of Building.	PERCENTAGE CONTRACTS BEAR TO TOTAL COST OF BUILDING.				Cubical Contents.	Cost per Cubic Foot.	PROPORTION CON-TRACTS BEAR TO COST PER CUBIC FOOT.				Cubic Feet per Classroom.	Children Accommodated.	Cost per Pupil.
							Bldg.	Heat.	Plumb.	Elec.			Bldg.	Heat.	Plumb.	Elec.			
Agassiz-Bowditch District.*	.....	40	I.	1st	B. \$556,700 00 H. 57,000 00 P. 35,300 00 E. 41,000 00	\$690,000 00	80.7	8.2	5.1	6.0	1,839,556	37.6	30.3	3.1	1.9	2.3	.....	1,600	\$431 25
Alexander Hamilton Addition.*	.....	8	E.	1st	B. \$77,425 01 H. 6,600 00 P. 5,575 00 E. 6,235 00	95,835 01	80.8	6.9	5.8	6.5	220,020	43.6	35.2	3.0	2.5	2.9	27,502	336	285 22
Beethoven Addition*	.....	4	E.	2d	B. H. P. E.	11,400 00	.....	.....	.....	.....	73,471	56.3	.....	.....	.....	.....	18,368	168	246 43
Brighton High.....	†	....	H.	1st	B. \$1,068,626 15 H. 87,157 50 P. 85,420 00 E. 49,000 00	1,290,203 65	82.5	6.8	6.6	4.1	2,900,598	44.4	36.7	3.0	2.9	1.8	.....	1,628	792 51
Charles Sumner Dis- trict.*	.....	13	E.	1st	B. \$161,933 00 H. 19,500 00 P. 12,100 00 E. 9,892 00	203,425 00	79.6	9.6	6.0	4.8	† 666,878	† 30.4	† 24.2	† 2.9	† 1.8	† 1.5	†	564	360 68
Continuation (Girls' Unit).	†	....	S.	1st	B. \$307,635 25 H. 21,841 00 P. 25,000 00 E. 13,826 00	368,302 25	83.5	5.9	6.8	3.8	540,793	68.1	56.9	4.0	4.6	2.6	.....	650	566 62
Elihu Greenwood District.*	.....	13	E.	1st	B. \$130,150 00 H. 18,250 00 P. 11,400 00 E. 6,800 00	166,600 00	78.1	10.9	6.9	4.1	363,213	45.9	35.8	5.0	3.2	1.9	27,939	564	295 39
Harriet Baldwin Addition.	1930	6	E.	1st	B. \$61,168 74 H. 4,200 00 P. 3,850 00 E. 3,500 00	72,718 74	84.1	5.8	5.3	4.8	149,877	48.6	40.9	2.8	2.6	2.3	24,980	252	290 88

Henry Abrahams.....	1930	5	E.	1st	B. H. P. E.	\$209,540 72 8,499 45 12,509 30 6,200 00	236,749 47	88.5	3.6	5.3	2.6	207,253	114.2	101.1	4.1	6.1	2.9	41,451	220	1,076 13
Horace Mann.....	1930	24	S.	1st	B. H. P. E.	\$683,034 37 30,000 00 15,900 00 25,201 75	754,136 12	90.6	4.0	2.1	3.3	773,351	97.5	88.4	3.9	2.0	3.2	32,223	288	2,618 53
Hyde Park High.....	†	.....	H.	1st	B. H. P. E.	\$1,030,907 61 87,431 00 44,634 00 63,950 00	1,226,922 61	84.1	7.1	3.6	5.2	2,724,000	45.0	37.9	3.2	1.6	2.3	.....	1,628	753 64
Margaret Fuller Addition.	1930	4	E.	2d	B. H. P. E.	\$50,842 03 8,171 20 4,300 00 2,700 00	66,013 23	77.1	12.3	6.5	4.1	90,114	73.3	56.5	9.0	4.8	3.0	22,528	186	354 91
Martin Milmore.....	1930	8	E.	1st	B. H. P. E.	\$160,778 10 13,543 00 11,560 00 6,400 00	192,281 10	83.6	7.1	6.0	3.3	282,921	68.0	56.9	4.8	4.0	2.3	35,365	354	543 16
Michelangelo Addi- tion.	†	§	I.	1st	B. H. P. E.	\$209,737 17 9,837 00 8,800 00 15,500 00	243,874 17	85.9	4.1	3.6	6.4	411,480	59.1	50.8	2.4	2.1	3.8	.....	.....	.....
Solomon Lewenberg	1930	40	I.	1st	B. H. P. E.	\$590,972 19 60,000 00 44,550 00 60,047 20	755,569 39	78.2	7.9	5.9	8.0	1,550,000	48.5	37.9	3.8	2.9	3.9	.....	1,600	472 23
Thomas J. Kenny Addition.	1930	9	F.	1st	B. H. P. E.	\$75,210 04 9,500 00 3,380 00 6,500 00	94,590 04	79.5	10.0	3.6	6.9	223,110	42.5	33.8	4.3	1.5	2.9	24,790	378	250 02
William Bradford Addition.	.....	7	E.	.....	B. H. P. E.	\$45,761 90 5,500 00 2,069 00 2,975 00	56,305 90	81.2	9.8	3.7	5.3	120,290	46.8	38.0	4.6	1.7	2.5	17,186	294	191 52
William Ellery Chan- ning Addition.	.....	9	E.	1st	B. H. P. E.	\$52,083 00 8,600 00 4,550 00 2,750 00	67,983 00	76.6	12.7	6.7	4.0	146,954	46.3	35.5	5.9	3.1	1.8	16,328	378	179 85
William Lloyd Gar- rison Addition.	1930	6	E.	1st	B. H. P. E.	\$70,933 50 12,900 00 17,094 40 5,598 00	106,525 90	66.7	12.1	16.0	5.2	172,547	61.7	41.4	7.5	9.9	3.2	28,758	270	394 54

* Cost to January 1, 1931.

† Accepted for occupation but final payments unsettled.

‡ Includes skeleton 2d story.

§ Auditorium and Shops.

¶ Does not include \$82,108.17, cost of finished grading.

APPENDIX IV.

APPROPRIATION FOR REPAIRS AND ALTERATION WORK FOR FURNISHING AND REPLACING FURNITURE AND EQUIPMENT IN OLD BUILDINGS, REPAIRS TO FURNITURE, EQUIPMENT, AND EXPENSES OF THE DEPARTMENT OF SCHOOL BUILDINGS.

I.

GENERAL STATEMENT.

During the year January 1, 1930, to December 31, 1930, the following sums were expended by the Department of School Buildings for repair and alteration work for furnishing and replacing furniture and, equipment in old buildings, repairs to furniture, equipment, etc., and expenses of the department:

January 1, 1930, appropriation	\$1,773,328 87
Balance from 1929	68,889 36

Total available for 1930	<u>\$1,842,218 23</u>
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Administration Expenses.

Appropriation	\$150,000 00
Salaries	\$108,358 21
Advertising	27 25
Automobile expense	2,052 62
Care and cleaning	303 57
Car fares	4,059 30
Electricity and gas	375 57
Expert services	870 33
Furniture	5,256 89
Postage	1,000 00
Printing	2,807 13
Rent	7,600 00
Stationery	1,234 64
Storehouse	2,720 55
Subscriptions	7 00
Sundries	255 20
Teaming	498 50
Telephone service	721 63

Total administration expenses	<u>138,148 39</u>
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Balance carried forward	<u>\$11,851 61</u>
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Alterations and Repairs.

Appropriation		\$1,692,218 23
Productive work by pupils	\$9,772 23	
Cost of various current emergency demands (not specified in items below)	38,657 80	
Upkeep of the structural plant	163,758 94	
Fire escapes (new and old)	21,196 72	
Care of school grounds	96,926 53	
Furniture and ordinary equipment (upkeep and replacement)	120,273 10	
Special equipment for:		
A. Shops	8,893 53	
B. Kindergartens	8,181 23	
C. Science rooms	475 87	
D. Drawing rooms	537 03	
E. Libraries	721 08	
F. Lunchrooms	4,500 72	
G. Stages in halls	3,374 22	
H. Extension of projection apparatus (radio, moving pictures, etc.)	1,761 31	
Shades for windows, etc.	13,708 21	
Painting School Buildings	103,776 91	
Plumbing (emergency and upkeep)	86,409 46	
Heating and ventilation and upkeep	94,967 08	
Electricity (and upkeep)	50,809 23	
Special appropriations for departments (repairs and equipment):		
A. Evening and summer schools, ...	1,000 94	
B. Household science and arts, ...	6,218 68	
C. Manual arts	7,255 41	
D. School Hygiene:		
(1) Miscellaneous	1,527 58	
(2) Rest and nutrition	782 61	
Educational remodeling (such as removals of partitions and other alterations) to provide for additional classrooms; additional recitation, cooking, health and teachers' rooms	114,431 27	
Brighton High School, remodeled as an intermediate school	68,171 81	
Safes in school buildings	1,826 91	
Playground shelters	16,876 51	
Gun racks	282 70	
Lockers	3,140 38	
Trucking and expressage	5,451 47	
<i>Carried forward</i>	\$1,055,667 47	\$1,692,218 23

<i>Brought forward</i>	\$1,055,667 47	\$1,692,218 23
Portable schools (moving)	27,871 21	
Modern plumbing in old buildings,	66,543 13	
Modern heating in old buildings	90,711 90	
Modern electrical systems in old buildings	57,617 36	
Roofing	66,771 39	
Deficit, 1929	132,221 96	

Total general repairs and alterations . . . 1,497,404 42

Balance carried forward . . . \$194,813 81

**Summary, Appropriations, Expenditures, Balances, Repairs,
Alterations, etc.**

	Appropriations.	Expenditures.	Balances Forward.
Administration expenses.	\$150,000 00	\$138,148 39	\$11,851 61
General alterations and repairs.	1,692,218 23	1,497,404 42	194,813 81
Totals.	\$1,842,218 23	\$1,635,552 81	\$206,665 42



ANNUAL REPORT
OF THE
SINKING FUNDS DEPARTMENT
FOR THE YEAR 1930.

BOARD OF COMMISSIONERS OF SINKING FUNDS,
BOSTON, January 2, 1931.

HON. JAMES M. CURLEY,
Mayor of the City of Boston.

SIR,—The Board of Commissioners of Sinking Funds has the honor of presenting the following report, showing the transactions during the year ending December 31, 1930:

Amount of cash in treasury December 31, 1929	\$1,135,715 89
Receipts during the year	4,325,373 39
	\$5,461,089 28
Payments during the year	4,326,893 06
Amount of cash December 31, 1930	\$1,134,196 22
Total amount of investments	
December 31, 1929	\$38,174,050 00
Investments purchased during	
the year (par value)	1,275,000 00
	\$39,449,050 00
Investments matured and re-	
deemed during the year (par	
value)	1,593,000 00
	37,856,050 00
Amount of funds December 31, 1930	<u>\$38,990,246 22</u>

With this report will be found the annual report of the treasurer, together with the detailed statements of the debts and funds.

Respectfully submitted,

FREDERIC J. CROSBY,
Chairman.

To the Board of Commissioners of Sinking Funds of the City of Boston:

GENTLEMEN,—The undersigned herewith presents his annual report as treasurer of the Board of Commissioners of Sinking Funds for the financial year 1930.

Balance of cash December 31, 1929.....		\$1,135,715 89
Receipts in 1930:		
Appropriation for debt:		
City.....	\$204,944 00	
County.....	7,720 00	
Interest on bank deposits.....	43,106 12	
Interest on investments.....	1,490,436 26	
Investments matured.....	1,593,000 00	
Betterments, assessments, etc.....	731,672 95	
Revenue from Rapid Transit rentals.....	254,494 06	
		4,325,373 39
Payments in 1930:		\$5,461,089 28
City Treasurer:		
Redemption of Serial Debt.....	\$610,355 21	
Redemption of Sinking Fund Debt.....	2,369,550 00	
Investments purchased.....	1,269,496 00	
Interest on investments purchased.....	16,875 39	
Premiums on investments purchased.....	60,616 46	
		4,326,893 06
Balance of cash December 31, 1930.....		\$1,134,196 22

DEBT LIABILITIES OF THE SINKING FUNDS DECEMBER 31, 1930.

CLASSIFICATION OF DEBT.	Liabilities Dec. 31, 1929.	Debt Issued 1930.	Debt Paid 1930.	Liabilities Dec. 31, 1930.
Atlantic Avenue Extension....	\$178,900 00	.....	.....	\$178,900 00
Blue Hill and Other Avenues..	1,839,000 00	.....	.....	1,839,000 00
Cambridge Bridge.....	1,352,900 00	.....	.....	1,352,900 00
Charles River Basin.....	800,000 00	.....	.....	800,000 00
Charlestown Bridge, No. 1....	750,000 00	.....	.....	750,000 00
Charlestown Bridge, No. 2....	665,000 00	.....	.....	665,000 00
Highways, Making of, No. 1...	2,885,301 00	.....	.....	2,885,301 00
Highways, Making of, No. 2...	2,459,550 00	.....	\$814,550 00	1,645,000 00
Hyde Park Street Railway....	322,000 00	.....	.....	322,000 00
Public Park.....	1,061,000 00	.....	300,000 00	761,000 00
Public Park, Special.....	866,500 00	.....	130,000 00	736,500 00
Schoolhouses, No. 1.....	500,000 00	.....	.....	500,000 00
Schoolhouses, No. 2.....	7,550,800 00	.....	225,000 00	7,325,800 00
Separate Systems of Drainage, No. 1.....	3,062,000 00	.....	.....	3,062,000 00
Separate Systems of Drainage, No. 2.....	919,000 00	.....	.....	919,000 00
Sewerage Loan, No. 1.....	5,866,000 00	.....	900,000 00	4,966,000 00
Sewerage Loan, No. 2.....	600,000 00	.....	.....	600,000 00
Stony Brook Improvement....	398,000 00	.....	.....	398,000 00
Thirty Year, No. 1.....	492,000 00	.....	.....	492,000 00
Thirty Year, No. 2.....	1,272,000 00	.....	.....	1,272,000 00
Rapid Transit:				
Rapid Transit.....	4,416,000 00	.....	.....	4,416,000 00
Arlington Station.....	1,237,000 00	\$1,000 00	.....	1,238,000 00
Boston Tunnel and Subway..	8,256,700 00	.....	.....	8,256,700 00
Boylston Street Subway....	5,396,000 00	27,000 00	.....	5,423,000 00
Boylston Street Subway, Acts of 1930.....	.....	700,000 00	.....	700,000 00
Cambridge Connection.....	1,646,000 00	2,000 00	.....	1,648,000 00
Dorchester Rapid Transit...	10,450,000 00	210,000 00	.....	10,660,000 00
Dorchester Tunnel.....	12,115,000 00	35,000 00	.....	12,150,000 00
East Boston Tunnel.....	3,334,000 00	.....	.....	3,334,000 00
East Boston Tunnel, Altera- tions.....	3,900,000 00	.....	.....	3,900,000 00
East Boston Tunnel, Altera- tions, Acts of 1924.....	20,000 00	.....	.....	20,000 00
East Boston Tunnel, Exten- sion.....	2,500,000 00	.....	.....	2,500,000 00
Tremont Street Subway, Acts of 1924.....	50,000 00	15,000 00	.....	65,000 00
Suffolk County Courthouse....	900,000 00	.....	.....	900,000 00
Traffic Tunnel.....	50,000 00	4,000,000 00	.....	4,050,000 00
Totals.....	\$88,110,651 00	\$4,990,000 00	\$2,369,550 00	\$90,731,101 00

REVENUE OF THE SINKING FUNDS DECEMBER 31, 1930.

NAME OF SINKING FUND.	Cash.	Investments.	Total Resources.
Atlantic Avenue Extension.....	\$1,900 00	\$177,000 00	\$178,900 00
Blue Hill and Other Avenues.....	17,733 47	1,566,600 00	1,584,333 47
Cambridge Bridge.....	755 66	968,200 00	968,955 66
Charles River Basin.....	4,208 29	501,000 00	505,208 29
Charlestown Bridge, No. 1.....	18,954 00	588,000 00	606,954 00
Charlestown Bridge, No. 2.....	19,349 83	633,000 00	652,349 83
Highways, Making of, No. 1.....	56,759 00	2,961,900 00	3,018,659 00
Highways, Making of, No. 2.....	34,326 59	1,683,000 00	1,717,326 59
Hyde Park Street Railway.....	14,480 27	50,000 00	64,480 27
Public Park.....	7,577 48	653,000 00	660,577 48
Public Park, Special.....	22,369 68	600,500 00	622,869 68
Schoolhouses, No. 1.....	21,496 19	381,000 00	402,496 19
Schoolhouses, No. 2.....	123,010 52	4,547,600 00	4,670,610 52
Separate Systems of Drainage, No. 1.....	1,696 83	2,477,000 00	2,478,696 83
Separate Systems of Drainage, No. 2.....	29,838 39	569,000 00	598,838 39
Sewerage Loan, No. 1.....	6,126 76	4,133,000 00	4,139,126 76
Sewerage Loan, No. 2.....	23,450 49	513,000 00	536,450 49
Stony Brook Improvement.....	9,243 47	286,000 00	295,243 47
Thirty Year, No. 1.....	35,754 71	408,600 00	444,354 71
Thirty Year, No. 2.....	20,154 05	1,017,000 00	1,037,154 05
Rapid Transit:			
Rapid Transit.....	943 22	3,543,000 00	3,543,943 22
Arlington Station.....	3,097 17	8,000 00	11,097 17
Boston Tunnel and Subway.....	66,047 40	3,790,450 00	3,856,497 40
Boylston Street Subway.....	51,089 41	118,000 00	169,089 41
Cambridge Connection.....	31,177 72	421,000 00	452,177 72
Dorchester Rapid Transit.....	44,904 59	.....	44,904 59
Dorchester Tunnel.....	105,010 30	642,000 00	747,010 30
East Boston Tunnel.....	25,100 44	2,032,000 00	2,057,100 44
East Boston Tunnel, Alterations.....	26,677 54	65,000 00	91,677 54
East Boston Tunnel, Extension.....	14,505 48	245,000 00	259,505 48
Suffolk County Courthouse.....	8,659 89	657,200 00	665,859 89
Moneys for Reduction of Debt.....	287,797 38	1,620,000 00	1,907,797 38
Total Resources December 31, 1930.....	\$1,134,196 22	\$37,856,050 00	\$38,990,246 22

CASH ON DEPOSIT IN NATIONAL BANKS AND TRUST COMPANIES.

NATIONAL BANKS.			
Atlantic National Bank.....	\$921 85		
Boston National Bank.....	939 48		
Continental National Bank.....	75,633 33		
Federal National Bank.....	193,175 38		
First National Bank.....	634 47		
National Rockland Bank.....	2,104 31		
National Shawmut Bank.....	370,718 15		
Second National Bank.....	329 38		
Webster and Atlas National Bank.....	639 30		
Merchants National Bank.....	1,869 02		
		\$646,964 67	
TRUST COMPANIES.			
Banca Commerciale Italiana Trust Company....	\$15,256 73		
Bank of Commerce and Trust Company.....	699 48		
Boston Safe Deposit and Trust Company.....	808 89		
Charlestown Trust Company.....	24,912 57		
Day Trust Company.....	50,883 41		
Exchange Trust Company.....	1,476 64		
Industrial Bank and Trust Company.....	20,849 19		
Jamaica Plain Trust Company.....	20,668 68		
New England Trust Company.....	882 46		
State Street Trust Company.....	13 78		
United States Trust Company.....	779 72		
		137,231 55	
			\$784,196 22
CERTIFICATES OF DEPOSITS.			
National Rockland Bank.....		\$175,000 00	
National Shawmut Bank.....		75,000 00	
Exchange Trust Company.....		75,000 00	
New England Trust Company.....		25,000 00	
			350,000 00
Total Deposits December 31, 1930.....			\$1,134,196 22

STATEMENT OF CASH AND INVESTMENTS FOR THE
FINANCIAL YEAR 1930.

Total cash resources December 31, 1930.....		\$1,134,196 22
Investments December 31, 1930:		
City of Boston 5 % Bonds.....	\$629,000 00	
“ “ 4½ % “	984,000 00	
“ “ 4¼ % “	840,000 00	
“ “ 4 % “	8,079,400 00	
“ “ 3¾ % “	1,050,000 00	
“ “ 3½ % “	12,338,650 00	
“ “ 3 % “	1,443,000 00	
County of Suffolk 4½ % Bonds.....	23,000 00	
“ “ 4 % “	5,000 00	
“ “ 3 % “	85,000 00	
Commonwealth of Massachusetts, 3½ % Bonds.....	767,000 00	
Commonwealth of Massachusetts, 3 % Bonds.....	75,000 00	
United States 1st Liberty Loan, 4¼ % Bonds..	360,000 00	
United States 4th Liberty Loan, 4½ % Bonds,	750,000 00	
City of Atlanta, Ga., 4½ % Bonds.....	55,000 00	
City of Akron, Ohio, 5 % Bonds.....	150,000 00	
City of Baltimore, Md., 4 % Bonds.....	483,000 00	
City of Chicago, Ill., 4 % Bonds.....	500,000 00	
City of Cleveland, Ohio, 4¾ % Bonds.....	300,000 00	
City of Cleveland, Ohio, 4½ % Bonds.....	200,000 00	
City of Columbus, Ohio, 4½ % Bonds.....	239,000 00	
City of Cranston, R. I., 4¼ % Bonds.....	50,000 00	
City of Detroit, Mich., 4½ % Bonds.....	487,000 00	
City of Detroit, Mich., 4 % Bonds.....	20,000 00	
City of Dayton, Ohio, 4½ % Bonds.....	302,000 00	
City of Elizabeth, N. J., 4½ % Bonds.....	115,000 00	
City of Flint, Mich., 4½ % Bonds.....	100,000 00	
City of Grand Rapids, Mich., 4½ % Bonds.....	115,000 00	
City of Grand Rapids, Mich., 4¼ % Bonds.....	175,000 00	
City of Los Angeles, Cal., 5 % Bonds.....	30,000 00	
City of Los Angeles, Cal., 4¾ % Bonds.....	220,000 00	
City of Milwaukee, Wis., 4½ % Bonds.....	200,000 00	
City of Minneapolis, Minn., 5 % Bonds.....	60,000 00	
City of Minneapolis, Minn., 4¼ % Bonds.....	100,000 00	
City of Newark, N. J., 4¼ % Bonds.....	360,000 00	
City of Norwalk, Ct., 4 % Bonds.....	50,000 00	
City of Paterson, N. J., 4½ % Bonds.....	140,000 00	
City of Pawtucket, R. I., 4¼ % Bonds.....	300,000 00	
City of St. Louis, Mo., 4 % Bonds.....	200,000 00	
City of St. Paul, Minn., 4¼ % Bonds.....	200,000 00	
City of Philadelphia, Pa., 4½ % Bonds.....	450,000 00	
City of Pittsburgh, Pa., 4¼ % Bonds.....	200,000 00	
City of Richmond, Va., 4½ % Bonds.....	50,000 00	
City and County of San Francisco, Cal., 4½ % Bonds.....	500,000 00	
City of Schenectady, N. Y., 4½ % Bonds.....	75,000 00	
City of Toledo, Ohio, 4¾ % Bonds.....	95,000 00	
City of Toledo, Ohio, 4½ % Bonds.....	281,000 00	
City of Youngstown, Ohio, 5 % Bonds.....	155,000 00	
State of Alabama, 4¾ % Bonds.....	100,000 00	
State of Alabama, 4¼ % Bonds.....	280,000 00	
State of Arkansas, 4¾ % Bonds.....	500,000 00	
State of California, 4½ % Bonds.....	100,000 00	
State of California, 4¼ % Bonds.....	100,000 00	
State of California, 4 % Bonds.....	100,000 00	
State of Louisiana, 5 % Bonds.....	275,000 00	
State of Louisiana, 4¾ % Bonds.....	25,000 00	
State of Michigan, 4¼ % Bonds.....	500,000 00	
State of Mississippi, 4½ % Bonds.....	275,000 00	
State of North Carolina, 4½ % Bonds.....	250,000 00	
State of North Carolina, 4¼ % Bonds.....	100,000 00	
State of Dakota, 4½ % Bonds.....	200,000 00	
State of Minnesota, 4¼ % Bonds.....	400,000 00	
State of Oregon, 5½ % Bonds.....	20,000 00	
State of Oregon, 4½ % Bonds.....	45,000 00	
State of Oregon, 4¼ % Bonds.....	100,000 00	
State of Tennessee, 4¾ % Bonds.....	100,000 00	
		37,856,050 00
Total Resources December 31, 1930.....		\$38,990,246 22

INVESTMENT ACCOUNT.

Investments December 31, 1929.		\$38,174,050 00	
Purchased, 1930:			
City of Chicago, Ill., 4% Bonds.	\$200,000 00		
City and County of San Francisco, Cal., 4½% Bonds.	300,000 00		
State of Arkansas, 4¾% Bonds.	500,000 00		
State of Mississippi, 4½% Bonds.	275,000 00		
		1,275,000 00	\$39,449,050 00
Matured, 1930:			
City of Boston, 5 % Bonds.	\$124,000 00		
" " 4½% " 	128,000 00		
" " 4¼% " 	80,000 00		
" " 4 % " 	342,000 00		
" " 3½% " 	335,000 00		
" " 3 % " 	536,000 00		
County of Suffolk, 4½% Bonds.	3,000 00		
" " 3 % " 	17,000 00		
City of Grand Rapids, Mich., 4¼% Bonds. . .	25,000 00		
City of Toledo, Ohio, 4½% Bonds.	3,000 00		
			1,593,000 00
Investments December 31, 1930.			\$37,856,050 00

INCREASE OR DECREASE OF SINKING FUNDS FOR FINANCIAL YEAR 1930.

Sinking Funds December 31, 1929			\$39,309,765 89
Increase of Sinking Funds:			
Appreciation of Investments		\$5,504 00	
Appropriation for Debt:			
City	\$204,944 00		
County	7,720 00		
		212,664 00	
Interest on bank deposits		43,106 12	
Interest on investments		1,490,436 26	
Betterment assessments, etc		986,167 01	
			2,737,877 39
			<u>\$42,047,643 28</u>
Decrease of Sinking Funds:			
City Treasurer:			
Redemption of Debt:			
Serial	\$610,355 21		
Sinking Fund	2,369,550 00		
		\$2,979,905 21	
Interest on investments purchased		16,875 39	
Premium on investments purchased		60,616 46	
			3,057,397 06
Sinking Funds December 31, 1930			<u>\$38,990,246 22</u>

Respectfully submitted,

EDMUND L. DOLAN,
City Treasurer.

SINKING FUND DEBT OF THE CITY OF BOSTON AND THE COUNTY OF SUFFOLK.

WHEN DUE, AND AMOUNT HELD BY THE SINKING FUNDS, AS INVESTMENTS.

DUE IN FINANCIAL YEAR.	Debt Due.	City of Boston Sinking Fund Bonds held by Sinking Funds.	Other than City of Boston Sinking Fund Bonds held by Sinking Funds.
1931.....	\$2,409,000 00	\$2,381,000 00	\$854,000 00
1932.....	4,440,101 00	3,125,000 00	1,015,500 00
1933.....	1,525,000 00	552,000 00	841,000 00
1934.....	2,860,000 00	1,963,000 00	924,000 00
1935.....	5,378,000 00	1,499,000 00	877,000 00
1936.....	5,338,500 00	636,500 00	1,088,000 00
1937.....	4,700,000 00	2,148,600 00	1,336,000 00
1938.....	1,867,900 00	399,000 00	1,660,000 00
1939.....	1,711,000 00	.....	729,000 00
1940.....	650,000 00	.....	461,000 00
1941.....	250,000 00	250,000 00	822,000 00
1942.....	901,000 00	354,000 00	446,000 00
1943.....	1,800,000 00	666,000 00	666,000 00
1944.....	4,236,000 00	811,000 00	1,275,000 00
1945.....	4,269,700 00	586,000 00	395,000 00
1946.....	1,650,000 00	840,000 00	334,000 00
1947.....	1,629,000 00	971,450 00	564,000 00
1948.....	2,315,000 00	315,000 00	85,000 00
1949.....	655,900 00	.....	188,000 00
1950.....	1,000,000 00	.....	473,000 00
1951.....	.....	.....	143,000 00
1952.....	5,000 00	.....	8,000 00
1953.....	.....	.....	415,000 00
1954.....	.....	.....	440,000 00
1955.....	.....	.....	40,000 00
1956.....	450,000 00	.....	107,000 00
1957.....	3,400,000 00	37,000 00	75,000 00
1958.....	3,400,000 00	.....	25,000 00
1959.....	2,500,000 00	.....	30,000 00
1960.....	4,765,000 00	.....	.....
1961.....	1,775,000 00	.....	303,000 00
1962.....	1,515,000 00	.....	92,000 00
1963.....	500,000 00	.....	50,000 00
1964.....	400,000 00	.....	30,000 00
1965.....	87,000 00	50,000 00	25,000 00
1966.....	159,000 00	.....	25,000 00
1967.....	1,565,000 00	.....	30,000 00
1968.....	1,350,000 00	.....	.....
1969.....	1,255,000 00	.....	35,000 00
1970.....	2,255,000 00	1,635,000 00	.....
1971.....	3,995,000 00	.....	30,000 00
1972.....	3,570,000 00	.....	.....
1973.....	2,207,000 00	1,050,000 00	25,000 00
1974.....	952,000 00	.....	.....
1975.....	990,000 00	.....	25,000 00
1975-45.....	.....	.....	450,000 00
1976.....	.....	.....	25,000 00
1977.....	.....	.....	25,000 00
1979-49.....	50,000 00	.....	.....
1980-50.....	4,000,000 00	.....	.....
1985-50.....	.....	.....	100,000 00
Totals, December 31, 1930.....	\$90,731,101 00	* \$20,269,550 00	* \$17,586,500 00

* Total investments, \$37,856,050.00.

SINKING FUND DEBT OF THE CITY OF BOSTON.
DEBT LIMIT Fixed by Section 3 of Chapter 27 of the Revised
Laws.

ATLANTIC AVENUE EXTENSION DEBT AND SINKING FUND.

ATLANTIC AVENUE EXTENSION DEBT.

"Atlantic Avenue Extension Debt" of the City of Boston, issued under chapter 466, Acts of 1899, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Atlantic Avenue Extension Sinking Fund." The dates show when the debt becomes due.

1932.	June	1.	Atlantic Avenue Extension,	3½	\$50,000 00
1934.	June	1.	Atlantic Avenue Extension,	3½	100,000 00
1936.	Jan.	1.	Atlantic Avenue Extension,	3½	20,000 00
1938.	Oct.	1.	Atlantic Avenue Extension,	4	8,900 00
Total Debt,					\$178,900 00

ATLANTIC AVENUE EXTENSION SINKING FUND.

Resources of the "Atlantic Avenue Extension Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1931.	July	1.	Schoolhouses,	3½	\$12,000 00
	Oct.	1.	Laying Out and Construction of New Highways,	3	50,000 00
1932.	June	1.	Sewerage Loan,	3½	35,000 00
	"	1.	Laying Out and Construction of Highways,	3½	5,000 00
	Sept.	1.	City of Dayton, Ohio,	4½	24,000 00
1935.	Dec.	1.	Highways, Making of,	3½	5,000 00
	"	1.	Laying Out and Construction of Highways,	3½	20,000 00
1937.	July	1.	Rapid Transit,	3½	22,000 00
1943.	June	1.	City of Schenectady, N. Y.,	4½	4,000 00
Investments,					\$177,000 00
Cash,					1,900 00
Total Resources,					\$178,900 00

BLUE HILL AND OTHER AVENUES DEBT AND SINKING FUND.

BLUE HILL AND OTHER AVENUES SINKING FUND DEBT.

"Blue Hill and Other Avenues Debt" of the City of Boston, issued under chapter 334, Acts of 1895, and chapter 236, Acts of 1898, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Blue Hill and Other Avenues Sinking Fund." The dates show when the debt becomes due.

1935.	July	1.	Blue Hill and Other Avenues,	4	\$1,000,000 00
1936.	July	1.	Blue Hill and Other Avenues,	4	800,000 00
1937.	Jan.	1.	Blue Hill and Other Avenues,	3½	20,000 00
1938.	July	1.	Blue Hill and Other Avenues,	3½	19,000 00
Total Debt,					\$1,839,000 00

BLUE HILL AND OTHER AVENUES SINKING FUND.

Resources of the "Blue Hill and Other Avenues Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1931.	April	1.	Laying Out and Construction of Highways,	3	\$65,000 00
	July	1.	Various Municipal Purposes, July 3, 1901,	3½	400,000 00
1932.	Jan.	1.	Completion of School Buildings,	3	50,000 00
	June	1.	Sewerage Loan,	3½	70,000 00
	Dec.	31.	Land and Buildings for Schools,	3½	45,000 00
	"	31.	Highways, Making of,	3½	9,600 00
Carried forward,					\$639,600 00

			<i>Brought forward,</i>			\$639,600 00
1933.	June	1.	Sewerage Loan,	3½		100,000 00
	Sept.	1.	City of Dayton, Ohio, •	4½		38,000 00
1934.	Jan.	1.	Charles River Basin,	3½		50,000 00
	"	1.	Highways, Making of,	3½		20,000 00
1935.	Jan.	1.	Playground, Ward 22,	3½		30,000 00
1936.	July	1.	Blue Hill and Other Avenues,	4		47,000 00
	"	1.	Highways, Making of,	4		25,000 00
1937.	June	1.	City of Paterson, N. J.,	4½		10,000 00
	July	1.	Sewerage Loan,	4		1,000 00
1938.	Oct.	15.	United States Government Fourth Liberty Loan,	4¼		30,000 00
1944.	June	1.	Cambridge Bridge,	3½		1,000 00
	"	1.	Charles River Basin,	3½		7,000 00
1945.	Dec.	15.	City of Newark, N. J.,	4¼		100,000 00
1946.	May	1.	City of Baltimore, Md.,	4		30,000 00
1970.	May	1.	Dorchester Tunnel,	4		100,000 00
	Nov.	1.	Dorchester Rapid Transit,	4		70,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾		10,000 00
1977.	July	1.	City and County of San Francisco, Cal.,	4½		25,000 00
						<u>\$1,333,600 00</u>

SERIAL BONDS.

Due Jan. 1, 1931-36,	\$1,000 annually.	Wood Island Park Improvements,	4½	\$6,000 00	
Due Jan. 1, 1933-37,	\$20,000 annually.	Highways, Making of,	4½	100,000 00	
Due Jan. 1, 1933-38,	\$5,000 annually.	Highways, Making of,	4	30,000 00	
Due June 1, 1934-36,	\$15,000 annually.	Playground Purposes,	4	45,000 00	
Due July 1, 1931-32,	\$5,000 annually.	Hospital Department, Ward Buildings E and A,	4	10,000 00	
Due Oct. 1, 1931-42,	\$1,000 annually.	Allston Playground, Improvements,	4	12,000 00	
Due Nov. 1, 1931-35,	\$6,000 annually.	High Pressure Fire Service,	4½	30,000 00	
				<u>233,000 00</u>	
Investments,				\$1,566,600 00	
Cash,				17,733 47	
Total Resources,				<u>\$1,584,333 47</u>	

CAMBRIDGE BRIDGE DEBT AND SINKING FUND.

CAMBRIDGE BRIDGE SINKING FUND DEBT.

"Cambridge Bridge Debt" of the City of Boston, issued under chapter 467, Acts of 1898, of the Legislature of Massachusetts, and "not included within the limits fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Cambridge Bridge Sinking Fund." The dates show when the debt becomes due.

1938.	Oct.	1.	Cambridge Bridge,	3½		\$50,000 00
1939.	July	1.	Cambridge Bridge,	3½		100,000 00
1940.	Jan.	1.	Cambridge Bridge,	3½		200,000 00
1942.	June	1.	Cambridge Bridge,	3½		200,000 00
1943.	June	1.	Cambridge Bridge,	3½		200,000 00
1944.	June	1.	Cambridge Bridge,	3½		250,000 00
1945.	Jan.	1.	Cambridge Bridge,	3½		50,000 00
	July	1.	Cambridge Bridge,	3½		100,000 00
1946.	July	1.	Cambridge Bridge,	4		150,000 00
1947.	Dec.	1.	Cambridge Bridge,	4		49,000 00
1949.	Jan.	1.	Cambridge Bridge,	3½		3,900 00
Total Debt,						<u>\$1,352,900 00</u>

CAMBRIDGE BRIDGE SINKING FUND.

Resources of the "Cambridge Bridge Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1932.	June	1.	Sewerage Loan,	3½		\$50,000 00
	Dec.	31.	Land and Buildings for Schools,	3½	\$25,000 00	
	"	31.	Highways, Making of,	3½	7,900 00	
						<u>32,900 00</u>
<i>Carried forward,</i>						\$82,900 00

			<i>Brought forward,</i>		\$82,900 00
1933.	Feb.	1.	City of Minneapolis, Minn.,	5	30,000 00
	June	1.	Highways, Making of,	3½	11,000 00
1934.	Jan.	1.	Highways, Making of,	3½	14,000 00
	"	1.	Public Parks,	3½	50,000 00
1935.	Oct.	1.	Suffolk County Courthouse, \$13,260, payable October 1, annually, to and including October 1, 1935,	3	66,300 00
1937.	Jan.	1.	Blue Hill and Other Avenues,	3½	20,000 00
	July	1.	Land and Buildings for Schools,	4	19,000 00
1938.	Jan.	1.	Commonwealth of Massachusetts,	3½	8,000 00
	Oct.	15.	United States Government 4th Liberty Loan,	4¼	40,000 00
1940.	July	1.	Commonwealth of Massachusetts,	3½	10,000 00
1941.	Jan.	1.	State of North Carolina,	4¼	50,000 00
1942.	Jan.	1.	Commonwealth of Massachusetts,	3½	12,000 00
1943.	June	1.	Cambridge Bridge,	3½	25,000 00
1944.	June	1.	Sewerage Loan,	3½	40,000 00
1944-47.	June	1.	City of Schenectady, N. Y., \$4,000 annually,	4½	16,000 00
1945.	Jan.	1.	Cambridge Bridge,	3½	45,000 00
1947.	Dec.	1.	Cambridge Bridge,	4	46,000 00
1954.	June	1.	State of Minnesota,	4¼	45,000 00
1970.	Nov.	1.	Dorchester Tunnel,	4	60,000 00
1971.	July	1.	City and County of San Francisco, Cal.,	4½	25,000 00
1973.	July	1.	City and County of San Francisco, Cal.,	4½	25,000 00
					\$740,200 00

SERIAL BONDS.

Due April 1, 1938.....	Dock Square and Faneuil Hall Square Improvements,	4	\$36,000 00	
Due " 1, 1941.....	Dock Square and Faneuil Hall Square Improvements,	4	36,000 00	
Due July 1, 1931-33, \$3,000 annually.	Quincy Market Building,	4	9,000 00	
Due " 1, 1933.....	Faneuil Hall Building,	4	3,000 00	
Due " 1, 1934.....	Quincy Market Building,	4	2,000 00	
Due " 1, 1934.....	Faneuil Hall Building,	4	4,000 00	
Due " 1, 1940.....	Sewerage Loan,	5	40,000 00	
Due Oct. 1, 1931.....	Public Latin School,	4	3,000 00	
Due " 1, 1932-42, \$1,000 annually.	Public Latin School,	4	11,000 00	
Due Nov. 1, 1931-37, \$2,000 annually.	New Building, Engine 7,	4½	14,000 00	
Due " 1, 1932-33, \$35,000 annually.	Dock Square and Faneuil Hall Square, Improvements,	4	70,000 00	
				228,000 00
Investments,				\$968,200 00
Cash,				755 66
Total Resources,				\$968,955 66

CHARLES RIVER BASIN DEBT AND SINKING FUND.

CHARLES RIVER BASIN DEBT.

"Charles River Basin Debt" of the City of Boston, issued under chapter 465, Acts of 1903, of the Legislature of Massachusetts, and "not included within the limit of debt fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of "Charles River Basin Sinking Fund." The dates show when the debt becomes due.

1934.	Jan.	1.	Charles River Basin,	3½	\$300,000 00
1944.	June	1.	Charles River Basin,	3½	500,000 00
Total Debt,					\$800,000 00

CHARLES RIVER BASIN SINKING FUND.

Resources of the "Charles River Basin Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1932.	June	1.	Playgrounds,	3 $\frac{1}{2}$	\$50,000 00
1933.	May	1.	City of Cleveland, Ohio,	4 $\frac{3}{4}$	25,000 00
	June	1.	Sewerage Loan,	3 $\frac{1}{2}$	10,000 00
1935.	Jan.	1.	Northern Avenue and Sleeper Street,	3 $\frac{1}{2}$	4,000 00
1937.	Jan.	1.	Brookline Street Bridge,	3 $\frac{1}{2}$	30,000 00
	July	1.	Rapid Transit,	3 $\frac{1}{2}$	35,000 00
1938.	Jan.	1.	Commonwealth of Massachusetts,	3 $\frac{1}{2}$	25,000 00
1939.	Oct.	1.	City of Dayton, Ohio,	4 $\frac{1}{2}$	10,000 00
1940.	Oct.	1.	City of Dayton, Ohio,	4 $\frac{1}{2}$	15,000 00
1941.	June	1.	City of Schenectady, N. Y.,	4 $\frac{1}{2}$	6,000 00
	Jan.	1.	Commonwealth of Massachusetts,	3 $\frac{1}{2}$	100,000 00
1945.	Feb.	1.	City of Los Angeles, Cal.,	5	15,000 00
1946.	Feb.	1.	City of Los Angeles, Cal.,	5	5,000 00
1950.	Oct.	1.	State of Mississippi,	4 $\frac{1}{2}$	25,000 00
1954.	Feb.	1.	City of Los Angeles, Cal.,	5	5,000 00
	May	1.	City of Cranston, R. I.,	4 $\frac{1}{4}$	7,000 00
1955.	May	1.	City of Cranston, R. I.,	4 $\frac{1}{4}$	7,000 00
1959.	Feb.	1.	City of Los Angeles, Cal.,	5	5,000 00
					<u>\$379,000 00</u>

SERIAL BONDS.

Due July 1, 1939.....	Sewerage Loan,	5	\$40,000 00	
Due Dec. 1, 1932-41, \$2,000 annually.	Gymnasium, South	4 $\frac{1}{4}$	20,000 00	
	Boston,	4 $\frac{1}{4}$	50,000 00	
Due " 1, 1934.....	Stuart Street,	4 $\frac{1}{4}$		
Due " 1, 1936-41, \$2,000 annually.	Washington Street			
	widening, between			
	Harvard Place			
	and Ordway			
	Place,	4 $\frac{1}{4}$	12,000 00	
				<u>122,000 00</u>
Investments,				\$501,000 00
Cash,				4,208 29
Total Resources,				<u>\$505,208 29</u>

CHARLESTOWN BRIDGE DEBT AND SINKING FUND, NO. 1.

RAPID TRANSIT LOAN, CHARLESTOWN BRIDGE SINKING FUND DEBT, No. 1:

"Rapid Transit Loan, Charlestown Bridge Debt," issued under chapter 548, Acts of 1894, of the Legislature of Massachusetts, to be paid as it becomes due from the resources of the "Rapid Transit Loan, Charlestown Bridge Sinking Fund, No. 1." The dates show when the debt becomes due.

1934.	Oct.	1.	Charlestown Bridge,	4	\$10,000 00
1935.	Oct.	1.	Charlestown Bridge,	4	10,000 00
1936.	July	1.	Charlestown Bridge,	4	\$30,000 00
	Oct.	1.	Charlestown Bridge,	4	100,000 00
					<u>130,000 00</u>
1937.	July	1.	Charlestown Bridge,	3 $\frac{1}{2}$	500,000 00
1938.	Jan.	1.	Charlestown Bridge,	3 $\frac{1}{2}$	100,000 00
Total Debt (inside limit),					<u>\$750,000 00</u>

CHARLESTOWN BRIDGE SINKING FUND, No. 1.

Resources of the "Rapid Transit Loan, Charlestown Bridge Sinking Fund, No. 1," being Bonds and Cash. The dates show when the Bonds become due.

1934.	Jan.	1.	Brandon Street and Belgrade Avenue,	3 $\frac{1}{2}$	\$30,000 00
	"	1.	Public Parks,	3 $\frac{1}{2}$	50,000 00
	Oct.	1.	State of Oregon,	5 $\frac{1}{2}$	5,000 00
1935.	May	1.	City of Elizabeth, N. J.,	4 $\frac{1}{2}$	25,000 00
	Oct.	1.	State of Oregon,	5 $\frac{1}{2}$	10,000 00
	"	1.	Charlestown Bridge,	4	10,000 00
1936.	June	1.	Playground, Wards 7 and 9,	3 $\frac{1}{2}$	12,000 00
	Oct.	1.	City of St. Louis, Mo.,	4	50,000 00
1937.	July	1.	Charlestown Bridge,	3 $\frac{1}{2}$	109,000 00
	"	1.	Land and Buildings for Schools,	4	22,000 00
	"	1.	Rapid Transit,	3 $\frac{1}{2}$	5,000 00
1941.	Jan.	1.	City of Chicago, Ill.,	4	40,000 00
1943.	Jan.	1.	State of North Carolina,	4 $\frac{1}{4}$	50,000 00
1944.	June	1.	Sewerage Loan,	3 $\frac{1}{2}$	10,000 00
	"	1.	Land and Buildings for Schools,	3 $\frac{1}{2}$	50,000 00
Carried forward,					<u>\$478,000 00</u>

Brought forward, \$478,000 00

SERIAL BONDS.

Due Oct. 1, 1933-34, \$30,000 annually.	Strandway and Old Harbor, Improve-	4	\$60,000 00	
Due Dec. 1, 1937.....	ments, Stuart Street,	4½	50,000 00	
				110,000 00
	Investments,			\$588,000 00
	Cash,			18,954 00
	Total Resources,			\$606,954 00

CHARLESTOWN BRIDGE DEBT AND SINKING FUND, NO. 2.

RAPID TRANSIT LOAN, CHARLESTOWN BRIDGE SINKING FUND DEBT, No. 2.

"Rapid Transit Loan, Charlestown Bridge Debt," issued under chapter 548, Acts of 1894, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Rapid Transit Loan, Charlestown Bridge Sinking Fund, No. 2." The dates show when the debt becomes due.

1938.	Jan.	1.	Charlestown Bridge,	3½	\$65,000 00
1939.	July	1.	Charlestown Bridge,	3½	200,000 00
1940.	Jan.	1.	Charlestown Bridge,	3½	200,000 00
	July	1.	Charlestown Bridge,	3½	200,000 00
			Total Debt,		\$665,000 00

CHARLESTOWN BRIDGE SINKING FUND, No. 2.

Resources of the "Rapid Transit Loan, Charlestown Bridge Sinking Fund, No. 2," being Bonds and Cash. The dates show when the Bonds become due.

1932.	March	1.	City of Pittsburgh, Pa.,	4¼	\$20,000 00
	June	1.	Broadway Bridge, Rebuilding,	3½	1,000 00
	"	1.	Land and Buildings for Schools,	3½	40,000 00
1934.	Jan.	1.	Hyde Park Avenue,	3½	45,000 00
1937.	Jan.	1.	Commonwealth of Massachusetts,	3½	20,000 00
	July	1.	Charlestown Bridge,	3½	16,000 00
	"	1.	Rapid Transit,	3½	56,000 00
1938.	Oct.	15.	United States Government 4th Liberty Loan,	4¼	80,000 00
1944.	June	1.	Land and Buildings for Schools,	3½	28,000 00
1946.	May	1.	City of Baltimore, Md.,	4	40,000 00
1970.	May	1.	Dorchester Rapid Transit,	4	50,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾	10,000 00
					\$406,000 00

SERIAL BONDS.

Due Jan. 1, 1939-43, \$5,000 annually.	Highways, Making of,	4	\$25,000 00	
Due April 1, 1931-32, \$10,000 annually.	High Pressure Fire Service,	4½	20,000 00	
Due " 1, 1932.....	Dock Square and Faneuil Hall Square Improve-	4	36,000 00	
Due " 1, 1935-36, \$25,000 annually.	Highways, Making of,	4½	50,000 00	
Due Oct. 1, 1931.....	Eagle Hill Play-ground Improve-	4	3,000 00	
Due Nov. 1, 1936-38, \$30,000 annually.	ments, Dock Square and Faneuil Hall Square Improve-	4	90,000 00	
Due Dec. 1, 1931.....	ments, Gymnasium, South Boston,	4¼	3,000 00	
				227,000 00
	Investments,			\$633,000 00
	Cash,			19,349 83
	Total Resources,			\$652,349 83

HIGHWAYS, MAKING OF, DEBT AND SINKING FUND, NO. 1.

HIGHWAYS, MAKING OF, SINKING FUND DEBT, NO. 1.

"Highways, Making of, Debt" of the City of Boston, to be paid as it becomes due from the resources of the "Highways, Making of, Sinking Fund, No. 1." The dates show when the debt becomes due.

1931.	April	1.	Laying Out and Construction of Highways (chapter 478, Acts of 1900),	3	\$270,000 00	
	July	1.	Laying Out and Construction of Highways (chapter 478, Acts of 1900),	3½	500,000 00	
	"	1.	Construction of Highways already laid out,	3½	100,000 00	
	Oct.	1.	Laying Out and Construction of Highways (chapter 478, Acts of 1900),	3	100,000 00	
	"	1.	Laying Out and Construction of New Highways,	3	100,000 00	
						\$1,070,000 00
1932.	Jan.	1.	Laying Out and Construction of New Highways,	3	\$83,000 00	
	"	1.	Laying Out and Construction of Highways (chapter 478, Acts of 1900),	3	126,000 00	
	April	1.	Laying Out and Construction of Highways,	3	56,300 00	
	June	1.	Laying Out and Construction of Highways,	3½	195,000 00	
	Oct.	1.	Laying Out and Construction of Highways (chapter 478, Acts of 1900),	3½	5,001 00	
						465,301 00
1934.	June	1.	Highways, Making of (chapter 199, Acts 1901),	3½		600,000 00
1935.	Dec.	1.	Highways, Making of (chapter 199, Acts of 1901),	3½		250,000 00
1936.	July	1.	Highways, Making of,	4		500,000 00
			Total Debt (inside limit),			<u>\$2,885,301 00</u>

HIGHWAYS, MAKING OF, SINKING FUND, NO. 1.

Resources of the "Highways, Making of, Sinking Fund, No. 1," being Bonds and Cash. The dates show when the Bonds become due.

1931.	Oct.	1.	City of Grand Rapids, Mich.,	4¼		\$75,000 00
1931.	April	1.	Laying Out and Construction of Highways,	3	\$20,000 00	
	July	1.	Schoolhouses,	3½	19,000 00	
	"	1.	Laying Out and Construction of Highways,	3½	10,000 00	
	"	1.	Various Municipal Purposes, July 3, 1901,	3½	300,000 00	
	Oct.	1.	Laying Out and Construction of Highways,	3	100,000 00	
	"	1.	Laying Out and Construction of New Highways,	3	50,000 00	
						499,000 00
1932.	Jan.	1.	Public Parks,	3	\$131,000 00	
	"	1.	Laying Out and Construction of Highways,	3	209,000 00	
	June	1.	Land and Building of Schools,	3½	19,000 00	
	"	1.	Sewerage Loan,	3½	50,000 00	
	Dec.	31.	Highways, Making of,	3½	117,900 00	
						526,900 00
1934.	Jan.	1.	Charles River Basin,	3½	\$130,000 00	
	"	1.	Public Parks,	3½	50,000 00	
	"	1.	Highways, Making of,	3½	25,000 00	
						205,000 00
1936.	Jan.	1.	Rapid Transit,	3½	\$56,000 00	
	June	1.	Playgrounds, Wards 7 and 9,	3½	73,000 00	
	July	1.	Highways, Making of,	4	41,000 00	
	Oct.	1.	Charlestown Bridge,	4	100,000 00	
						270,000 00
1938.	Jan.	1.	Charlestown Bridge,	3½	\$140,000 00	
	"	1.	Rapid Transit,	3½	69,000 00	
						209,000 00
1934.	Jan.	1.	City of Flint, Mich.,	4½		35,000 00
1936.	Jan.	1.	City of Flint, Mich.,	4½		35,000 00
1937.	Jan.	1.	City of Flint, Mich.,	4½		30,000 00
1942.	June	1.	City of Detroit, Mich.,	4½		100,000 00
1944.	June	1.	State of Tennessee,	4¾		100,000 00
1946.	April	1.	City of Cleveland, Ohio,	4¾		75,000 00
	May	1.	City of Baltimore, Md.,	4		40,000 00
	Oct.	1.	Hyde Park Street Railway Loan,	4		50,000 00
1950.	July	1.	State of Arkansas,	4¾		80,000 00
1953.	Dec.	1.	State of Alabama,	4¾		100,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾		50,000 00
			Carried forward,			<u>\$2,479,900 00</u>

Brought forward, \$2,479,900 00

SERIAL BONDS.

Due Jan. 1, 1931-35, \$8,000 annually.	Fire Alarm Signal Station, Back Bay Fens,	4	\$40,000 00	
Due " 1, 1936-45, \$7,000 annually.	Fire Alarm Signal Station, Back Bay Fens,	4	70,000 00	
Due April 1, 1937-56, \$3,000 annually.	Highways, Making of,	4	60,000 00	
Due Oct. 1, 1932.....	Everett Street Brighton, Property,	4	1,000 00	
Due " 1, 1931-37, \$4,000 annually.	Christopher J. Lee Playground,	4	28,000 00	
Due " 1, 1938-42, \$3,000 annually.	Christopher J. Lee Playground,	4	15,000 00	
Due " 1, 1935.....	Strandway and Old Harbor Improvement,	4	28,000 00	
Due Nov. 1, 1931-35, \$20,000 annually.	Highways, Making of,	4	100,000 00	
Due " 1, 1931-34, \$25,000 annually.	Highways, Making of,	3½	100,000 00	
Due Dec. 1, 1931-32, \$20,000 annually.	Kneeland Street Improvement,	4	40,000 00	
			<u>482,000 00</u>	
	Investments,		\$2,961,900 00	
	Cash,		56,759 00	
	Total Resources,		<u>\$3,018,659 00</u>	

HYDE PARK STREET RAILWAY, DEBT AND SINKING FUND.

HYDE PARK STREET RAILWAY, SINKING FUND DEBT.

"Hyde Park Street Railway, Debt," issued under chapter 405, Acts of Massachusetts, 1923, accepted by Mayor and City Council of Boston, Mass., June 5, 1923, and not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws.

1948. Oct. 1.	Hyde Park Street Railway,	4	\$315,000 00
1949. Jan. 1.	Hyde Park Street Railway,	4	2,000 00
1952. Dec. 1.	Hyde Park Street Railway,	3¼	5,000 00
	Total Debt,		<u>\$322,000 00</u>

HYDE PARK STREET RAILWAY DEBT SINKING FUND.

Resources of the "Hyde Park Street Railway Debt Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1934. Jan. 1.	Highways, Making of,	3½	\$25,000 00
1934. June 1.	City of Schenectady, N. Y.,	4½	10,000 00
1970. Nov. 1.	Dorchester Tunnel,	4	15,000 00
	Investments,		\$50,000 00
	Cash,		14,480 27
	Total Resources,		<u>\$64,480 27</u>

HIGHWAYS, MAKING OF, DEBT AND SINKING FUND, NO. 2.

HIGHWAYS, MAKING OF, SINKING FUND DEBT, No. 2.

"Highways, Making of, Debt," of the City of Boston, issued under chapter 323 of the Acts of 1891, chapters 401, 402 and 418 of the Acts of 1892, chapters 319 and 346 of the Acts of 1897, chapter 443 of the Acts of 1899, and chapter 465 of the Acts of 1901, of the Legislature of Massachusetts, and "not included within the limit of the debt fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Highways, Making of, Sinking Fund, No. 2." The dates show when the debt becomes due.

1932.	June	1.	Laying Out and Construction of Highways, Brighton,	3½	\$41,000 00	
			East Boston,	3½	100,000 00	
			Roxbury and West Roxbury,	3½	125,000 00	
	Oct.	1.	Laying Out and Construction of Highways, Charlestown Street,	3½	30,000 00	
	Dec.	31.	Highways, Making of,	3½	396,000 00	
						\$692,000 00
1933.	June	1.	Highways, Making of,	3½		500,000 00
1934.	Jan.	1.	Highways, Making of,	3½		170,000 00
1935.	Dec.	1.	Highways, Making of,	3½		283,000 00
			Total Debt,			<u>\$1,645,000 00</u>

HIGHWAYS, MAKING OF, SINKING FUND, No. 2.

Resources of the "Highways, Making of, Sinking Fund, No. 2," being Bonds and Cash. The dates show when the Bonds become due.

1931.	April	1.	Laying Out and Construction of Highways,	3	\$11,000 00	
1932.	June	1.	Laying Out and Construction of Highways,	3½	5,000 00	
	Dec.	31.	Highways, Making of,	3½	178,000 00	
1933.	June	1.	Highways, Making of,	3½	1,000 00	
1934.	Oct.	1.	Charlestown Bridge,	4	10,000 00	
1935.	Dec.	1.	Highways, Making of,	3½	3,000 00	
1936.	March	1.	State of Alabama,	4¼	90,000 00	
1934.	March	1.	City of Columbus, Ohio,	4½	77,000 00	
	"	1.	City of Toledo, Ohio,	4½	35,000 00	
1938.	Oct.	15.	United States Government 4th Liberty Loan,	4¼	90,000 00	
1947.	June	15.	United States Government 1st Liberty Loan,	4¼	360,000 00	
1943.	April	1.	City of Cleveland, Ohio,	4¼	100,000 00	
1944.	April	1.	City of Cleveland, Ohio,	4¼	100,000 00	
	Feb.	15.	State of Minnesota,	4¼	50,000 00	
1954.	June	1.	State of Minnesota,	4¼	155,000 00	
1953.	Oct.	1.	City of Los Angeles,	4½	50,000 00	
1954.	Feb.	1.	City of Los Angeles,	4¼	25,000 00	
1955.	Feb.	1.	City of Los Angeles,	4¼	25,000 00	
1956.	Feb.	1.	City of Los Angeles,	4¼	20,000 00	
1957.	Oct.	1.	City of Los Angeles,	4¼	75,000 00	
1958.	Oct.	1.	City of Los Angeles,	4¼	25,000 00	
						<u>\$1,485,000 00</u>

SERIAL BONDS.

Due Jan.	1, 1931-32, \$5,000 annually.	Highways, Making of,	4	\$10,000 00	
Due "	1, 1944-45, \$5,000 annually.	Highways, Making of,	4	10,000 00	
Due Oct.	1, 1933-42, \$2,000 annually.	Eagle Hill Playground Improvements,	4	20,000 00	
Due "	1, 1930-37, \$4,000 annually.	North End Park,	4	28,000 00	
Due "	1, 1938-42, \$3,000 annually.	North End Park,	4	15,000 00	
Due Nov.	1, 1931.....	Highways, Making of,	4½	8,000 00	
Due "	1, 1932-34, \$7,000 annually.	Highways, Making of,	4½	21,000 00	
Due "	1, 1931.....	Jail, Plumbing System,	4½	3,000 00	
Due "	1, 1932-34, \$2,000 annually.	Jail, Plumbing System,	4½	6,000 00	
Due Dec.	1, 1931.....	Hospital, Parker Hill, Buildings, etc.,	4	7,000 00	
Due "	1, 1936-45, \$7,000 annually.	Hospital, Parker Hill, Buildings, etc.,	4	70,000 00	
					<u>198,000 00</u>
		Investments,		\$1,683,000 00	
		Cash,		34,326 59	
		Total Resources,		<u>\$1,717,326 59</u>	

PUBLIC PARK DEBT AND SINKING FUND.

PUBLIC PARK SINKING FUND DEBT.

"Public Park Debt" of the City of Boston, to be paid as it becomes due from the resources of the "Public Park Sinking Fund." The dates show when the debt becomes due.

1932.	Jan.	1.	Public Parks,	3	\$131,000 00	
	June	1.	Playgrounds,	3½	100,000 00	
	"	1.	Chestnut Hill Park,	3½	75,000 00	
	July	1.	Playground, Ward 2,	3½	5,000 00	
	"	1.	Public Parks,	3½	5,000 00	
	Oct.	1.	Playground, Ward 2,	3½	20,000 00	
						\$336,000 00
1933.	Jan.	1.	Parks, Brighton,	3½		25,000 00
1934.	Oct.	1.	Chestnut Hill Park,	3½	\$36,300 00	
	"	1.	Strandway, Purchase of Land and Construc- tion of,	3½	63,700 00	
						100,000 00
1935.	Jan.	1.	Playground, Wards 7 and 9,	3½	\$100,000 00	
	"	1.	Playground, Ward 11,	3½	30,000 00	
						130,000 00
1936.	June	1.	Playground, Wards 7 and 9,	3½		170,000 00
			Total Debt (inside limit),			<u>\$761,000 00</u>

PUBLIC PARK SINKING FUND.

Resources of the "Public Park Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1932.	June	1.	Land and Buildings for Schools,	3½	\$65,000 00	
1933.	June	1.	Sewerage Loan,	3½	20,000 00	
1934.	Jan.	1.	Hyde Park Avenue,	3½	180,000 00	
	Oct.	1.	Chestnut Hill Park,	3½	36,300 00	
	"	1.	Strandway, Purchase of Land, etc.,	3½	63,700 00	
1935.	Jan.	1.	Playgrounds, Wards 7 and 9,	3½	75,000 00	
1942.	June	1.	East Boston Tunnel,	3½	3,000 00	
1945.	July	1.	Land and Buildings for Schools,	3½	20,000 00	
1934.	Sept.	1.	City of Dayton, Ohio,	4½	38,000 00	
1935.	Oct.	1.	City of Dayton, Ohio,	4½	20,000 00	
	May	1.	City of Elizabeth, N. J.,	4½	75,000 00	
1946.	May	1.	City of Baltimore, Md.,	4	20,000 00	
						<u>\$616,000 00</u>

SERIAL BONDS.

Due Jan. 1, 1931.....	Old Harbor Im- provements,	4½	\$1,000 00	
Due April 1, 1935.....	Dock Square and Faneuil Hall Square Improve- ment,	4	36,000 00	
				37,000 00
	Investments,			\$653,000 00
	Cash,			7,577 48
	Total Resources,			<u>\$660,577 48</u>

PUBLIC PARK SPECIAL DEBT AND SINKING FUND.

PUBLIC PARK SPECIAL SINKING FUND DEBT.

"Public Park Special Debt" of the City of Boston, issued under chapter 304, Acts of 1886, chapter 312, Acts of 1887, chapter 392, Acts of 1888, chapters 271 and 444, Acts of 1890, chapter 301 and 323, Acts of 1891, chapter 396, Acts of 1894, chapter 453, Acts of 1896, chapters 319 and 394, Acts of 1897, chapter 313, Acts of 1898, and chapter 303, Acts of 1899, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Public Park Special Sinking Fund." The dates show when the debt becomes due.

1934.	Jan.	1.	Public Parks (chapter 323, Acts 1891),	3½		\$170,000 00
1935.	July	1.	Public Parks (chapter 323, Acts 1891),	3½	\$19,000 00	
	Oct.	1.	Public Parks,	3½	9,500 00	
	Dec.	1.	Public Parks,	3½	5,000 00	
						33,500 00
1936.	Jan.	1.	Public Parks,	3½		33,000 00
1937.	Jan.	1.	Public Park Construction (chapter 304, Acts 1886),	3½		500,000 00
			Total Debt,			<u>\$736,500 00</u>

PUBLIC PARK SPECIAL SINKING FUND.

Resources of the "Public Park Special Sinking Fund," being Bonds and Cash.
The dates show when the Bonds become due.

1934.	Jan.	1.	Separate Systems of Drainage,	3½		\$280,000 00
1935.	July	1.	Sewerage Loan,	3½	\$3,000 00	
	Dec.	1.	Separate Systems of Drainage,	3½	3,000 00	
						6,000 00
1944.	June	1.	Land and Buildings for Schools,	3½		15,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾		10,000 00
						<u>\$311,000 00</u>

SERIAL BONDS.

Due Jan. 1, 1931.....	Highways, Making	4	\$20,000 00	
Due June 1, 1931-33, \$15,000 annually.	of,			
Due " 1, 1931-36, \$10,000 annually.	Playground Pur-	4	45,000 00	
	poses,			
Due Oct. 1, 1931.....	Public Park, North	4	60,000 00	
	End,			
	Washington Street,	4	2,000 00	
Due " 1, 1932.....	from Warrenton			
	Street to Pleasant			
	Street,	4	500 00	
Due " 1, 1931.....	Everett Street,	4	1,000 00	
	Brighton, Prop-			
Due Nov. 1, 1931-35, \$5,000 annually.	erty,	4		
	Charities Adminis-			
	tration Building			
	and Temporary	4	25,000 00	
Due " 1, 1936-44, \$4,000 annually.	Home,			
	Charities Adminis-			
	tration Building	4	36,000 00	
	and Temporary			
Due " 1, 1936-45, \$10,000 annually.	Home,	4	100,000 00	
	Police Headquar-	4		
	ters,			
			<u>289,500 00</u>	
	Investments,		\$600,500 00	
	Cash,		22,369 68	
	Total Resources,		<u>\$622,869 68</u>	

SCHOOLHOUSES DEBT AND SINKING FUND, NO. 1.

SCHOOLHOUSES SINKING FUND DEBT NO. 1.

"Schoolhouses Debt" of the City of Boston, issued under chapter 408, Acts of 1895, and chapter 239, Acts of 1899, and chapter 450, Acts of 1907, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Schoolhouses Sinking Fund, No. 1."

1935.	July	1.	Schoolhouses (Acts 1895),	4	<u>\$500,000 00</u>
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SCHOOLHOUSES SINKING FUND, No. 1.

Resources of the "Schoolhouses Sinking Fund, No. 1," being Bonds and Cash
The dates show when the Bonds become due.

1931.	April	1.	Laying Out and Construction of Highways,	3	\$9,000 00
1932.	June	1.	Land and Buildings for Schools,	3½	2,000 00
	"	1.	Sewerage Loan,	3½	15,000 00
1931.	Feb.	1.	State of California,	4½	3,000 00
1936.	Feb.	1.	State of California,	4½	15,000 00
1938.	Feb.	1.	State of California,	4½	50,000 00
1940.	Feb.	1.	State of California,	4½	20,000 00
1932.	March	1.	City of Pittsburgh, Pa.,	4¼	20,000 00
1938.	June	1.	City of Schenectady, N. Y.,	4½	7,000 00
1941.	Jan.	1.	City of Chicago, Ill.,	4	40,000 00
1942.	June	1.	City of Schenectady, N. Y.,	4½	6,000 00
			Carried forward,		<u>\$187,000 00</u>

Brought forward, \$187,000 00

SERIAL BONDS.

Due April 1, 1940.....	Dock Square and Faneuil Hall Square Improvement,	4	\$36,000 00	
Due July 1, 1931.....	Sewerage Loan,	5	40,000 00	
Due Dec. 1, 1932-35, \$7,000 annually.	Hospital, Parker Hill,	4	28,000 00	
Due " 1, 1933.....	Stuart Street,	4½	50,000 00	
Due " 1, 1933-34, \$20,000 annually.	Kneeland Street, Improvement,	4	40,000 00	
				194,000 00
	Investments,			\$381,000 00
	Cash,			21,496 19
	Total Resources,			<u>\$402,496 19</u>

SCHOOLHOUSES DEBT AND SINKING FUND, NO. 2.

SCHOOLHOUSES SINKING FUND DEBT, No. 2.

"Schoolhouses Debt" of the City of Boston, issued under chapter 408, Acts of 1895, chapter 422, Acts of 1897, chapter 149, Acts of 1898, chapters 288 and 473, Acts of 1901, chapter 386, Acts of 1902, and chapter 450, Acts of 1907, of the Legislature of Massachusetts, to be paid as it becomes due from the resources of the "Schoolhouses Sinking Fund, No. 2."

1931.	July	1.	Schoolhouses (Acts 1898),	3½	\$221,000 00	
	"	1.	Land and Buildings for Schools,	3½	1,000,000 00	
	Oct.	1.	Completion of School Buildings (Acts 1901),	3	100,000 00	
						\$1,321,000 00
1932.	Jan.	1.	Completion of School Buildings (Acts 1901),	3	\$54,800 00	
	June	1.	Land and Buildings for Schools (Acts 1901),	3½	1,000,000 00	
	Dec. 31.		Land and Buildings for Schools,	3½	500,000 00	
						1,554,800 00
1937.	April	1.	Land and Buildings for Schools,	4	\$351,400 00	
	July	1.	Land and Buildings for Schools,	4	535,600 00	
						887,000 00
1944.	June	1.	Land and Buildings for Schools,	3½		1,500,000 00
1945.	Jan.	1.	Land and Buildings for Schools,	3½	\$509,000 00	
	April	1.	Land and Buildings for Schools,	3½	54,000 00	
	July	1.	Land and Buildings for Schools,	3½	1,500,000 00	
						2,063,000 00
			Total Debt (inside limit),			<u>\$7,325,800 00</u>

SCHOOLHOUSES SINKING FUND, No. 2.

Resources of the "Schoolhouses Sinking Fund, No. 2," being Bonds and Cash. The dates show when the Bonds become due.

1931.	April	1.	Laying Out and Construction of Highways,	3	\$10,000 00	
	July	1.	Laying Out and Construction of Highways,	3½	250,000 00	
	"	1.	Schoolhouses,	3½	91,000 00	
	"	1.	Various Municipal Purposes, July 3, 1901,	3½	110,000 00	
	Oct.	1.	Completion of School Buildings,	3	100,000 00	
1932.	June	1.	Land and Buildings for Schools,	3½	260,000 00	
	Dec. 31.		Land and Buildings for Schools,	3½	370,000 00	
1934.	Jan.	1.	Charles River Basin,	3½	120,000 00	
	"	1.	Dorchester Street,	3½	175,000 00	
1935.	July	1.	Schoolhouses,	4	240,000 00	
1937.	Jan.	1.	Commonwealth of Massachusetts,	3½	100,000 00	
	April	1.	Land and Buildings for Schools,	4	337,000 00	
	July	1.	Land and Buildings for Schools,	4	69,600 00	
1938.	Jan.	1.	Commonwealth of Massachusetts,	3½	50,000 00	
	Oct. 15.		United States Government 4th Liberty Loan,	4½	210,000 00	
1940.	Jan.	1.	Commonwealth of Massachusetts,	3½	8,000 00	
	July	1.	Commonwealth of Massachusetts,	3½	2,000 00	
1941.	Jan.	1.	Commonwealth of Massachusetts,	3½	103,000 00	
1942.	Jan.	1.	Commonwealth of Massachusetts,	3½	100,000 00	
1944.	Jan.	1.	Commonwealth of Massachusetts,	3½	2,000 00	
	June	1.	Sewerage Loan,	3½	25,000 00	
			Carried forward,			<u>\$2,732,600 00</u>

<i>Brought forward,</i>					\$2,732,600 00
1944.	Dec.	15.	City of Newark, N. J.,	4 $\frac{1}{4}$	50,000 00
1945.	Jan.	1.	Land and Buildings for Schools,	3 $\frac{1}{2}$	110,000 00
1931.	Jan.	15.	City of Detroit, Mich.,	4 $\frac{1}{2}$	57,000 00
1932.	Feb.	1.	City of Pawtucket, R. I.,	4 $\frac{1}{4}$	50,000 00
1934.	Jan.	1.	City of Detroit, Mich.,	4 $\frac{1}{2}$	100,000 00
1932.	Oct.	1.	City of Youngstown, Ohio,	5	100,000 00
1931-37.	Sept.	1.	City of Toledo, Ohio, \$3,000 annually,	4 $\frac{1}{2}$	21,000 00
1936.	Jan.	1.	City of Chicago, Ill.,	4	80,000 00
1938.	Oct.	1.	State of Oregon,	4 $\frac{1}{2}$	45,000 00
1931.	Oct.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{4}$	25,000 00
1945.	Aug.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{4}$	10,000 00
1946.	Aug.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{4}$	6,000 00
1947.	Aug.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{4}$	37,000 00
1948.	Aug.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{4}$	12,000 00
1949.	Aug.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{4}$	10,000 00
	July	1.	City and County of San Francisco, Cal.,	4 $\frac{1}{2}$	50,000 00
1961.	July	1.	City and County of San Francisco, Cal.,	4 $\frac{1}{2}$	50,000 00
1945.	Jan.	1.	State of North Dakota,	4 $\frac{1}{2}$	75,000 00
1950.	Jan.	1.	State of North Dakota,	4 $\frac{1}{2}$	100,000 00
1954.	Jan.	1.	State of North Dakota,	4 $\frac{1}{2}$	25,000 00
1961.	July	1.	State of Arkansas,	4 $\frac{3}{4}$	133,000 00
					\$3,878,600 00

SERIAL BONDS.

Due Jan. 1, 1931.....	Cambridge a n d			
	Court Streets,	4	\$50,000 00	
Due " 1, 1932.....	Cambridge a n d			
	Court Streets,	4	11,000 00	
Due " 1, 1939-41, \$20,000 annually.	Highways, Making			
	of,	4 $\frac{1}{2}$	60,000 00	
Due April 1, 1931-32, \$30,000 annually.	Sewerage Loan,	4 $\frac{1}{2}$	60,000 00	
Due May 1, 1931.....	Old Harbor Im-			
	provements,	5	9,000 00	
Due July 1, 1937.....	Sewerage Loan,	5	40,000 00	
Due Oct. 1, 1931-32, \$30,000 annually.	Strandway and Old			
	Harbor Improve-			
	ments,	4	60,000 00	
Due " 1, 1931-42, \$3,000 annually.	Municipal Building,			
	Old Ward 12,	4	36,000 00	
Due " 1, 1931-32, \$4,000 annually.	Baldwin Place Play-			
	ground,	4	8,000 00	
Due " 1, 1933-42, \$3,000 annually.	Baldwin Place Play-			
	ground,	4	30,000 00	
Due " 1, 1938-42, \$1,000 annually.	Jail, Sheriff's House,	4	5,000 00	
Due Nov. 1, 1936-45, \$20,000 annually.	Highways, Making			
	of,	4	200,000 00	
Due Dec. 1, 1935-36, \$50,000 annually.	Stuart Street,	4 $\frac{1}{4}$	100,000 00	
				669,000 00
Investments,				\$4,547,600 00
Cash,				123,010 52
Total Resources,				
				\$4,670,610 52

SEPARATE SYSTEMS OF DRAINAGE DEBT AND SINKING FUND,
NO. 1.

SEPARATE SYSTEMS OF DRAINAGE SINKING FUND DEBT, No. 1.

"Separate Systems of Drainage Debt" of the City of Boston, issued under chapter 383, Acts of 1903, and chapter 485, Acts of 1907, of the Legislature of Massachusetts, and "not included within the limit of debt fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Separate Systems of Drainage Sinking Fund, No. 1." The dates show when the debt becomes due.

1934.	Jan.	1.	Separate Systems of Drainage,	3 $\frac{1}{2}$	\$400,000 00
	June	1.	Separate Systems of Drainage,	3 $\frac{1}{2}$	200,000 00
1935.	Jan.	1.	Separate Systems of Drainage,	3 $\frac{1}{2}$	600,000 00
	Dec.	1.	Separate Systems of Drainage,	3 $\frac{1}{2}$	560,000 00
1936.	July	1.	Separate Systems of Drainage,	4	600,000 00
1937.	July	1.	Separate Systems of Drainage,	4	302,000 00
1938.	June	1.	Separate Systems of Drainage,	4	400,000 00
Total Debt,					\$3,062,000 00

SEPARATE SYSTEMS OF DRAINAGE SINKING FUND, No. 1.

Resources of the "Separate Systems of Drainage Sinking Fund, No. 1," being Bonds and Cash. The dates show when the Bonds become due.

1931.	July	1.	Laying Out and Construction of Highways,	3½	\$150,000	00
	"	1.	Schoolhouses,	3½	10,000	00
1932.	June	1.	Ferry Improvements,	3½	48,000	00
	"	1.	Land and Buildings for Schools,	3½	50,000	00
	"	1.	Broadway Bridge Rebuilding,	3½	10,000	00
	"	1.	Laying Out and Construction of Highways,	3½	25,000	00
	"	1.	Sewerage Loan,	3½	50,000	00
1933.	June	1.	Highways, Making of,	3½	20,000	00
	"	1.	Sewerage Loan,	3½	100,000	00
1934.	Jan.	1.	Broadway Bridge, Rebuilding,	3½	60,000	00
	"	1.	Public Parks,	3½	20,000	00
	"	1.	Separate Systems of Drainage,	3½	120,000	00
	June	1.	Separate Systems of Drainage,	3½	3,000	00
1935.	Jan.	1.	Separate Systems of Drainage,	3½	120,000	00
	July	1.	Schoolhouses,	4	25,000	00
	Dec.	1.	Separate Systems of Drainage,	3½	25,000	00
1937.	July	1.	Northern Avenue and Sleeper Street,	4	161,000	00
	"	1.	Separate Systems of Drainage,	4	302,000	00
1938.	Jan.	1.	Stony Brook Improvement,	3½	44,000	00
	Oct.	15.	United States Government 4th Liberty Loan,	4½	80,000	00
1948.	Oct.	1.	Hyde Park Street Railway Loan,	4	40,000	00
1933.	March	1.	City of Columbus, Ohio,	4½	10,000	00
1936.	"	1.	City of Columbus, Ohio,	4½	27,000	00
1932.	"	1.	City of Pittsburgh, Pa.,	4¼	20,000	00
1937.	Feb.	1.	City of Pawtucket, R. I.,	4¼	50,000	00
	July	1.	Land and Buildings for Schools,	4	100,000	00
1935.	Oct.	1.	City of Akron, Ohio,	5	10,000	00
1936.	Oct.	1.	City of Akron, Ohio,	5	15,000	00
1937.	Oct.	1.	City of Akron, Ohio,	5	15,000	00
1938.	Oct.	1.	City of Akron, Ohio,	5	15,000	00
1945.	Oct.	1.	City of Akron, Ohio,	5	5,000	00
1942.	Oct.	1.	City of Toledo, Ohio,	4¾	25,000	00
1943.	Oct.	1.	City of Toledo, Ohio,	4¾	25,000	00
1944.	Oct.	1.	City of Toledo, Ohio,	4¾	25,000	00
1946.	May	1.	City of Baltimore, Md.,	4	30,000	00
1950.	Oct.	1.	State of Mississippi,	4½	50,000	00
1956.	July	1.	State of Arkansas,	4¼	40,000	00
1970.	May	1.	Dorchester Tunnel,	4	100,000	00
	Nov.	1.	Dorchester Rapid Transit,	4	80,000	00
1973.	May	1.	Dorchester Rapid Transit,	3¾	15,000	00
1985-50.	July	2.	State of California,	4	100,000	00
					\$2,220,000	00

SERIAL BONDS.

Due April 1, 1932-34, \$25,000 annually.	Highways, Making of,	4½	\$75,000	00
Due Nov. 1, 1935-36, \$25,000 annually.	Highways, Making of,	3½	50,000	00
Due " 1, 1931-37, \$6,000 annually.	North Beacon Street, Brighton,	4½	42,000	00
Due Dec. 1, 1932.....	Stuart Street,	4¼	50,000	00
Due " 1, 1935-36, \$20,000 annually.	Kneeland Street Improvement,	4	40,000	00
				257,000 00
Investments,				\$2,477,000 00
Cash,				1,696 83
Total Resources,				\$2,478,696 83

SEPARATE SYSTEMS OF DRAINAGE DEBT AND SINKING FUND, NO. 2.

SEPARATE SYSTEMS OF DRAINAGE SINKING FUND DEBT, No. 2.

"Separate Systems of Drainage Debt" of the City of Boston, issued under chapter 485, Acts of 1907, of the Legislature of Massachusetts, to be paid as it becomes due from the resources of the "Separate Systems of Drainage Sinking Fund, No. 2." The dates show when the debt becomes due.

1938.	June	1.	Separate Systems of Drainage,	4	\$255,000	00
1939.	April	1.	Separate Systems of Drainage,	3½	664,000	00
Total Debt (inside limit),					\$919,000	00

SEPARATE SYSTEMS OF DRAINAGE SINKING FUND, No. 2.

Resources of the "Separate Systems of Drainage Sinking Fund, No. 2," being Bonds and Cash. The dates show when the Bonds become due.

1932.	June	1.	Sewerage Loan,	3½	\$15,000 00
1933.	June	1.	Highways, Making of,	3½	4,000 00
1935.	July	1.	Sewerage Loan,	3½	20,000 00
1937.	July	1.	Charlestown Bridge,	3½	101,000 00
	"	1.	Rapid Transit,	3½	47,000 00
	May	1.	City of Cranston, R. I.,	4¼	8,000 00
1953.	May	1.	City of Cranston, R. I.,	4¼	2,000 00
1936.	Oct.	1.	City of Toledo, Ohio,	4¾	10,000 00
1937.	Oct.	1.	City of Toledo, Ohio,	4¾	10,000 00
	Sept.	1.	City of Elizabeth, N. J.,	4½	15,000 00
1940.	June	1.	City of Schenectady, N. Y.,	4½	8,000 00
1947.	July	1.	City and County of San Francisco, Cal.,	4½	50,000 00
1948.	July	1.	City and County of San Francisco, Cal.,	4½	50,000 00
					\$340,000 00

SERIAL BONDS.

Due Jan. 1, 1931.....	Hospital Estate, Massachusetts Avenue and Northampton Street,	4	\$3,000 00	
Due April 1, 1933.....	Dock Square and Faneuil Hall Square Improve- ments,	4	36,000 00	
Due " 1, 1931-36, \$4,000 annually.	Sewerage Loan,	4	24,000 00	
Due " 1, 1933-34, \$30,000 annually.	Sewerage Loan,	4½	60,000 00	
Due July 1, 1938.....	Sewerage Loan,	5	40,000 00	
Due Oct. 1, 1931-32, \$3,000 annually.	East Boston Court- house and Police Station,	4	6,000 00	
Due Nov. 1, 1939-40, \$30,000 annually.	Dock Square and Faneuil Hall Square Improve- ments,	4	60,000 00	
				229,000 00
Investments,				\$569,000 00
Cash,				29,838 39
Total Resources,				
				\$598,838 39

SEWERAGE LOAN DEBT AND SINKING FUND, NO. 1.

SEWERAGE LOAN SINKING FUND DEBT, No. 1.

"Sewerage Loan Debt," issued under chapter 426, Acts of 1897, chapter 257, Acts of 1898, and chapter 450, Acts of 1899, of the Legislature of Massachusetts, and "not included within the limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Sewerage Loan Sinking Fund, No. 1." The dates show when the debt becomes due.

1932.	June	1.	Sewerage Loan,	3½	\$1,000,000 00
1933.	June	1.	Sewerage Loan,	3½	1,000,000 00
1935.	July	1.	Sewerage Loan,	3½	\$800,000 00
	Dec.	1.	Sewerage Loan,	3½	200,000 00
					1,000,000 00
1936.	July	1.	Sewerage Loan,	4	734,000 00
1937.	April	1.	Sewerage Loan,	4	\$650 00
	July	1.	Sewerage Loan,	4	374,000 00
	Oct.	1.	Sewerage Loan,	4	4,350 00
					379,000 00
1944.	June	1.	Sewerage Loan,	3½	853,000 00
Total Debt,					
					\$4,966,000 00

SEWERAGE LOAN SINKING FUND, No. 1.

Resources of the "Sewerage Loan Sinking Fund, No. 1," being Bonds and Cash. The dates show when the Bonds become due.

1931.	April	1.	Laying Out and Construction of Highways,	3	\$75,000 00
	July	1.	Laying Out and Construction of Highways,	3 $\frac{1}{2}$	90,000 00
1932.	June	1.	Broadway Bridge, Rebuilding,	3 $\frac{1}{2}$	24,000 00
	"	1.	Chestnut Hill Park,	3 $\frac{1}{2}$	25,000 00
	"	1.	Ferry Improvements,	3 $\frac{1}{2}$	1,000 00
	"	1.	Laying Out and Construction of Highways,	3 $\frac{1}{2}$	25,000 00
	"	1.	Sewerage Loan,	3 $\frac{1}{2}$	195,000 00
	Dec.	31.	Highways, Making of,	3 $\frac{1}{2}$	25,000 00
1933.	June	1.	Highways, Making of,	3 $\frac{1}{2}$	31,000 00
	"	1.	Sewerage Loan,	3 $\frac{1}{2}$	125,000 00
1934.	Jan.	1.	Dorchester Street,	3 $\frac{1}{2}$	180,000 00
	"	1.	Highways, Making of,	3 $\frac{1}{2}$	26,000 00
1935.	Jan.	1.	Separate System of Drainage,	3 $\frac{1}{2}$	150,000 00
	July	1.	Schoolhouses,	4	235,000 00
	"	1.	Sewerage Loan,	3 $\frac{1}{2}$	16,000 00
	Dec.	31.	Highways, Making of,	3 $\frac{1}{2}$	2,000 00
	"	1.	Separate Systems of Drainage,	3 $\frac{1}{2}$	20,000 00
1936.	July	1.	Highways, Making of,	4	25,000 00
	"	1.	Sewerage Loan,	4	19,000 00
1937.	July	1.	Sewerage Loan,	4	93,000 00
1938.	Jan.	1.	Rapid Transit,	3 $\frac{1}{2}$	1,000 00
	"	1.	Commonwealth of Massachusetts,	3 $\frac{1}{2}$	100,000 00
1940.	July	1.	Commonwealth of Massachusetts,	3 $\frac{1}{2}$	50,000 00
1941.	Jan.	1.	Commonwealth of Massachusetts,	3	75,000 00
	Oct.	1.	Rapid Transit, East Boston Tunnel,	3	25,000 00
1943.	Jan.	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	275,000 00
	June	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	4,000 00
1944.	Jan.	1.	Boston Tunnel and Subway,	3 $\frac{1}{2}$	50,000 00
	June	1.	Sewerage Loan,	3 $\frac{1}{2}$	130,000 00
1948.	Oct.	1.	Hyde Park Street Railway Loan,	4	75,000 00
1938.	Oct.	1.	United States Government 4th Liberty Loan,	4 $\frac{1}{4}$	170,000 00
1931.	Jan.	1.	City of Richmond, Va.,	4 $\frac{1}{2}$	50,000 00
1932.	March	1.	City of Pittsburgh, Pa.,	4 $\frac{1}{4}$	40,000 00
	Sept.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{2}$	15,000 00
1933.	Jan.	2.	State of California,	4 $\frac{1}{4}$	50,000 00
	Nov.	15.	City of Newark, N. J.,	4 $\frac{1}{4}$	20,000 00
1935.	July	1.	City of Norwalk, Ct.,	4	50,000 00
	Nov.	15.	City of Newark, N. J.,	4 $\frac{1}{4}$	20,000 00
1936.	Nov.	15.	City of Newark, N. J.,	4 $\frac{1}{4}$	20,000 00
1937.	Oct.	1.	City of Cleveland, O.,	4 $\frac{1}{2}$	100,000 00
1939-44.	Oct.	1.	City of Akron, O., \$15,000 annually,	5	90,000 00
1941.	Jan.	1.	City of Chicago, Ill.,	4	60,000 00
1959.	July	1.	City and County of San Francisco, Cal.,	4 $\frac{1}{2}$	25,000 00
1962.	July	1.	City and County of San Francisco, Cal.,	4 $\frac{1}{2}$	25,000 00
1953.	Dec.	1.	State of Alabama,	4 $\frac{1}{4}$	150,000 00
1961.	July	1.	State of Arkansas,	4 $\frac{3}{4}$	115,000 00
1970.	May	1.	Dorchester Tunnel,	4	400,000 00

\$3,567,000 00

SERIAL BONDS.

Due Jan. 1, 1931-32, \$20,000 annually.	Highways, Making of,	4 $\frac{1}{2}$	\$40,000 00
Due " 1, 1938.....	Highways, Making of,	4 $\frac{1}{2}$	20,000 00
Due April 1, 1931.....	Highways, Making of,	4 $\frac{1}{2}$	25,000 00
Due " 1, 1935.....	Sewerage Loan,	4 $\frac{1}{2}$	30,000 00
Due July 1, 1931-37, \$10,000 annually.	Police Headquarters, Pemberton Square,	4	70,000 00
Due " 1, 1931-38, \$10,000 annually.	Highways, Making of,	4 $\frac{1}{2}$	80,000 00
Due Oct. 1, 1931-32, \$3,000 annually.	Christopher Gibson Playground Improvements,	4	6,000 00
Due " 1, 1933-42, \$2,000 annually.	Christopher Gibson Playground Improvements,	4	20,000 00
Due " 1, 1931-42, \$1,000 annually.	New Laundry Building,	4	12,000 00
Due " 1, 1932.....	Eagle Hill Playground Improvements,	4	3,000 00
Due Nov. 1, 1938-41, \$2,000 annually.	New Building, Engine 7,	4 $\frac{1}{2}$	8,000 00
Due " 1, 1931-41, \$1,000 annually.	Hyde Park Avenue Bridge,	4 $\frac{1}{2}$	11,000 00
Due " 1, 1931-41, \$2,000 annually.	Dover Street Bridge,	4 $\frac{1}{2}$	22,000 00
Due " 1, 1936-41, \$6,000 annually.	High Pressure Fire Service,	4 $\frac{1}{2}$	36,000 00
Due " 1, 1938-41, \$6,000 annually.	North Beacon Street, Brighton,	4 $\frac{1}{2}$	24,000 00

Carried forward,

\$407,000 00 \$3,567,000 00

Brought forward,		\$407,000 00	\$3,567,000 00
Due Nov. 1, 1935-41,	\$2,000 annually. Jail, Plumbing System,	4½	14,000 00
Due " 1, 1935-41,	\$7,000 annually. Highways, Making of,	4½	49,000 00
Due Dec. 1, 1931-34,	\$24,000 annually. Dock Square and Faneuil Hall Square Improvement,	4¼	96,000 00
			566,000 00
Investments,			\$4,133,000 00
Cash,			6,126 76
Total Resources,			\$4,139,126 76

SEWERAGE LOAN DEBT AND SINKING FUND, NO. 2.

SEWERAGE LOAN SINKING FUND DEBT, No. 2.

"Sewerage Loan Debt," issued under chapter 426, Acts of 1897, chapter 257, Acts of 1898, and chapter 450, Acts of 1899, of the Legislature of Massachusetts, to be paid as it becomes due from the resources of the "Sewerage Loan Sinking Fund, No. 2." The dates show when the debt becomes due.

1938.	June 1.	Sewerage Loan,	4	\$300,000 00
1939.	April 1.	Sewerage Loan,	3½	300,000 00
Total Debt (inside limit),				\$600,000 00

SEWERAGE LOAN SINKING FUND, No. 2.

Resources of the "Sewerage Loan Sinking Fund, No. 2," being Bonds and Cash. The dates show when the Bonds become due.

1932.	June 1.	Sewerage Loan,	3½	\$60,000 00
1933.	June 1.	Sewerage Loan,	3½	5,000 00
	Oct. 1.	State of Oregon,	5½	5,000 00
1935.	July 1.	Sewerage Loan,	3½	10,000 00
1937.	Oct. 1.	City of St. Louis, Mo.,	4	100,000 00
1938.	Jan. 1.	Commonwealth of Massachusetts,	3½	3,000 00
	Oct. 15.	United States Government 4th Liberty Loan,	4¼	50,000 00
1939.	March 1.	City of Pawtucket, R. I.,	4¼	25,000 00
1970.	May 1.	Dorchester Rapid Transit,	4	100,000 00
	Nov. 1.	Dorchester Rapid Transit,	4	50,000 00
1973.	May 1.	Dorchester Rapid Transit,	3¾	15,000 00
1975.	July 1.	City and County of San Francisco, Cal.,	4½	25,000 00
				\$448,000 00

SERIAL BONDS.

Due April 1, 1936.....	Sewerage Loan,	4½	\$30,000 00	
Due Nov. 1, 1931.....	Dock Square and Faneuil Hall Square Improve- ment,	4	35,000 00	
				65,000 00
	Investments,			\$513,000 00
	Cash,			23,450 49
	Total Resources,			

STONY BROOK IMPROVEMENT SPECIAL DEBT AND SINKING FUND.

STONY BROOK IMPROVEMENT SPECIAL SINKING FUND DEBT.

"Stony Brook Improvement Debt" of the City of Boston, issued under chapter 428, Acts of 1887, chapter 530, Acts of 1896, and chapter 397, Acts of 1899, of the Legislature of Massachusetts, and "not included within the limit of debt fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Stony Brook Improvement Special Sinking Fund." The dates show when the debt becomes due.

1938.	Jan. 1.	Stony Brook Improvement (chapter 530, Acts 1896),	3½	\$70,000 00
1939.	July 1.	Stony Brook Improvement (chapter 397, Acts 1896),	3½	328,000 00
Total Debt,				\$398,000 00

STONY BROOK IMPROVEMENT SPECIAL SINKING FUND.

Resources of the "Stony Brook Improvement Special Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1937.	Nov.	1.	City of Toledo, Ohio,	4 $\frac{1}{2}$	\$55,000 00
1938.	Jan.	1.	Stony Brook Improvement,	3 $\frac{1}{2}$	26,000 00
1939.	March	1.	City of Pawtucket, R. I.,	4 $\frac{1}{4}$	25,000 00
1941.	Jan.	1.	City of Chicago, Ill.,	4	30,000 00
1973.	May	1.	Dorchester Rapid Transit,	3 $\frac{3}{4}$	10,000 00
					\$146,000 00

SERIAL BONDS.

Due April 1, 1931.....	Dock Square and Faneuil Hall Square Improve-	4	\$38,000 00	
Due " 1, 1936-37, \$36,000 annually.	Dock Square and Faneuil Hall Square Improve-	4	72,000 00	
Due " 1, 1937.....	Sewerage Loan,	4 $\frac{1}{2}$	30,000 00	
				140,000 00
Investments,				\$286,000 00
Cash,				9,243 47
Total Resources,				
				\$295,243 47

THIRTY-YEAR DEBT AND SINKING FUND, NO. 1.

THIRTY-YEAR SINKING FUND DEBT, No. 1.

"Thirty-Year Debt" of the City of Boston, to be paid as it becomes due from the resources of the "Thirty-Year Sinking Fund." The dates show when the debt becomes due.

1931.	Oct.	1.	Carleton Street,	3	\$18,000 00
1932.	Jan.	1.	Carleton Street,	3	\$42,000 00
	June	1.	Broadway Bridge, Rebuilding,	3 $\frac{1}{2}$	200,000 00
	"	1.	Ferry Improvements,	3 $\frac{1}{2}$	100,000 00
1934.	Jan.	1.	Broadway Bridge, Rebuilding,	3 $\frac{1}{2}$	342,000 00
1935.	Jan.	1.	Broadway Bridge, Rebuilding,	3 $\frac{1}{2}$	60,000 00
1936.	Jan.	1.	Broadway Bridge, Rebuilding,	3 $\frac{1}{2}$	1,500 00
1939.	April	1.	Hyde Park Avenue, from Ashland Street to Hyde Park line,	3 $\frac{1}{2}$	1,500 00
Total Debt (inside limit),					\$492,000 00

THIRTY-YEAR SINKING FUND, No. 1.

Resources of the "Thirty-Year Sinking Fund, No. 1," being Bonds and Cash. The dates show when the Bonds become due.

1931.	July	1.	Schoolhouses,	3 $\frac{1}{2}$	\$54,000 00
1932.	Jan.	1.	Carleton Street,	3	42,000 00
	June	1.	Broadway Bridge, Rebuilding,	3 $\frac{1}{2}$	65,000 00
	Dec. 31.		Highways, Making of,	3 $\frac{1}{2}$	3,100 00
1933.	Feb.	1.	City of Minneapolis, Minn.,	5	30,000 00
1936.	Jan.	1.	Broadway Bridge, Rebuilding,	3 $\frac{1}{2}$	1,500 00
	"	1.	City of Chicago, Ill.,	4	20,000 00
1937.	July	1.	Land and Buildings for Schools,	4	9,000 00
	"	1.	Rapid Transit,	3 $\frac{1}{2}$	41,000 00
1938.	May	1.	City of Cranston, R. I.,	4 $\frac{1}{4}$	6,000 00
1956.	May	1.	City of Cranston, R. I.,	4 $\frac{1}{4}$	4,000 00
1973.	May	1.	Dorchester Rapid Transit,	3 $\frac{1}{4}$	15,000 00
					\$290,600 00

SERIAL BONDS.

Due April 1, 1938.....	Sewerage Loan,	4 $\frac{1}{2}$	\$30,000 00	
Due July 1, 1936.....	Sewerage Loan,	5	40,000 00	
Due Dec. 1, 1935-36, \$24,000 annually.	Dock Square and Faneuil Hall Square Improve-	4 $\frac{1}{4}$	48,000 00	
				118,000 00
Investments,				\$408,600 00
Cash,				35,754 71
Total Resources,				
				\$444,354 71

THIRTY-YEAR DEBT AND SINKING FUND, NO. 2.

THIRTY-YEAR SINKING FUND DEBT, No. 2.

"Thirty-Year Debt, No. 2" of the City of Boston, issued under chapter 370, Acts of 1903, chapter 381, Acts of 1903, and chapter 391, Acts of 1904, of the Legislature of Massachusetts, and "not included within the limit of debt fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Thirty-Year Sinking Fund, No. 2," The dates show when the debt becomes due.

1934.	Jan.	1.	Dorchester Street,	3½	\$375,000 00
	"	1.	Hyde Park Avenue,	3½	225,000 00
	"	1.	Brandon Street and Belgrade Avenue,	3½	100,000 00
1935.	Jan.	1.	Northern Avenue and Sleeper Street,	3½	10,000 00
1936.	July	1.	Northern Avenue and Sleeper Street,	4	100,000 00
1937.	Jan.	1.	Brookline Street Bridge,	3½	30,000 00
	July	1.	Northern Avenue and Sleeper Street,	4	282,000 00
1938.	June	1.	Northern Avenue and Sleeper Street,	4	100,000 00
1939.	April	1.	Northern Avenue and Sleeper Street,	3½	50,000 00
Total Debt,					\$1,272,000 00

THIRTY-YEAR SINKING FUND, No. 2.

Resources of the "Thirty-Year Sinking Fund, No. 2," being Bonds and Cash. The dates show when the Bonds become due.

1932.	June	1.	Laying Out and Construction of Highways,	3½	\$80,000 00
	"	1.	Sewerage Loan,	3½	50,000 00
	"	1.	Playgrounds,	3½	50,000 00
1936.	June	1.	Playgrounds, Wards 7 and 9,	3½	54,000 00
	July	1.	Sewerage Loan,	4	20,000 00
1937.	July	1.	Rapid Transit,	3½	35,000 00
1942.	June	1.	Cambridge Bridge,	3½	100,000 00
1943.	June	1.	Cambridge Bridge,	3½	52,000 00
	"	1.	East Boston Tunnel,	3½	100,000 00
1944.	June	1.	Charles River Basin,	3½	5,000 00
	"	1.	Boston Tunnel and Subway,	3½	100,000 00
1932.	March	1.	City of Pittsburgh, Pa.,	4¼	30,000 00
1933.	Oct.	1.	City of Youngstown, Ohio,	5	25,000 00
1934.	"	1.	City of Youngstown, Ohio,	5	5,000 00
1933.	Jan.	2.	State of California,	4¼	10,000 00
1932-36.	June	1.	City of Minneapolis, Minn., \$20,000 an- nually,	4¼	100,000 00
1935.	Jan.	15.	City of Detroit, Mich.,	4½	50,000 00
1970.	May	1.	Dorchester Tunnel,	4	50,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾	10,000 00
					\$926,000 00

SERIAL BONDS.

Due April 1, 1931.....	Ripley Playground, Dorchester,	4½	\$2,000 00	
Due " 1, 1937-46, \$5,000 annually.	Highways, Making of,	4	50,000 00	
Due Dec. 1, 1931-35, \$3,000 annually.	Washington Street, between Harvard Place and Ordway Place,	4¼	15,000 00	
Due " 1, 1937.....	Dock Square and Faneuil Hall Square Improve- ment,	4¼	24,000 00	91,000 00
Investments,				\$1,017,000 00
Cash,				20,154 05
Total Resources,				\$1,037,154 05

RAPID TRANSIT LOAN DEBT AND SINKING FUND.

"Rapid Transit Loan Debt," issued under chapter 548, Acts of 1894, and chapter 500, Acts of 1897, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to

be paid as it becomes due from the resources of the "Rapid Transit Loan Sinking Fund." The dates show when the debt becomes due.

1934.	Oct.	1.	Rapid Transit	4		\$50,000 00
1935.	April	1.	Rapid Transit,	4		1,000,000 00
1936.	Jan.	1.	Rapid Transit,	3½	\$250,000 00	
	April	1.	Rapid Transit,	3½	500,000 00	
	Oct.	1.	Rapid Transit,	3½	1,500,000 00	
						2,250,000 00
1937.	July	1.	Rapid Transit,	3½		865,000 00
1938.	April	1.	Rapid Transit Alterations,	3½		200,000 00
1940.	July	1.	Rapid Transit Alterations,	3½		50,000 00
1942.	Jan.	1.	Rapid Transit,	3		1,000 00
Total Debt,						\$4,416,000 00

RAPID TRANSIT LOAN SINKING FUND.

Resources of the "Rapid Transit Loan Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1931.	April	1.	Laying Out and Construction of Highways,	3		\$70,000 00
	July	1.	Schoolhouses,	3½		35,000 00
	"	1.	Various Municipal Purposes, July 3, 1901,	3½		150,000 00
1932.	June	1.	Sewerage Loan,	3½		185,000 00
	"	1.	Laying Out and Construction of Highways,	3½		10,000 00
	Dec.	31.	Land and Buildings for Schools,	3½		60,000 00
1934.	Jan.	1.	Brandon Street and Belgrade Avenue,	3½		70,000 00
	Oct.	1.	Rapid Transit,	4		50,000 00
1935.	Jan.	1.	Separate Systems of Drainage,	3½		80,000 00
	April	1.	Rapid Transit,	4		103,000 00
1936.	Jan.	1.	Rapid Transit,	3½		50,000 00
	April	1.	Rapid Transit,	3½		4,000 00
	July	1.	Charlestown Bridge,	4		30,000 00
	"	1.	Sewerage Loans,	4		2,000 00
	Oct.	1.	Rapid Transit,	3½		10,000 00
1937.	July	1.	Land and Buildings for Schools,	4		100,000 00
	"	1.	Rapid Transit,	3½		210,000 00
1938.	Jan.	1.	Rapid Transit,	3½		50,000 00
	July	1.	Blue Hill and Other Avenues,	3½		19,000 00
1941.	Oct.	1.	Rapid Transit, East Boston Tunnel,	3		55,000 00
1942.	Jan.	1.	Rapid Transit,	3		1,000 00
	June	1.	East Boston Tunnel,	3½		25,000 00
1944.	June	1.	Cambridge Bridge,	3½		100,000 00
	"	1.	Sewerage Loan,	3½		19,000 00
1945.	April	1.	Boston Tunnel and Subway,	3½		127,000 00
1946.	June	1.	Boston Tunnel and Subway,	3½		97,000 00
	July	1.	Boston Tunnel and Subway,	4		131,000 00
1947.	Jan.	1.	Rapid Transit, East Boston Tunnel,	3½		28,000 00
	April	1.	Boston Tunnel and Subway,	4		47,000 00
	July	1.	Boston Tunnel and Subway,	4		75,000 00
1948.	Oct.	1.	Hyde Park Street Railway,	4		25,000 00
1932.	March	1.	City of Pittsburgh, Pa.,	4¼		20,000 00
1937.	March	1.	City of Columbus, Ohio,	4½		34,000 00
1938.	March	1.	City of Columbus, Ohio,	4½		9,000 00
1939.	March	1.	City of Columbus, Ohio,	4½		8,000 00
1937.	Feb.	1.	City of Toledo, Ohio,	4½		35,000 00
1946.	May	1.	City of Baltimore, Md.,	4		40,000 00
1950.	Aug.	1.	City of Grand Rapids, Mich.,	4½		10,000 00
1951.	Aug.	1.	City of Grand Rapids, Mich.,	4½		10,000 00
1954.	June	1.	State of Minnesota,	4¼		50,000 00
1965.	April	1.	Boylston Street Subway,	5		50,000 00
1970.	May	1.	Dorchester Rapid Transit,	4		10,000 00
	Nov.	1.	Dorchester Rapid Transit,	4		25,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾		40,000 00
1943.	May	1.	City of Baltimore, Md.	4		17,000 00
	April	1.	City of Detroit,	4		6,000 00
	July	1.	City of Detroit,	4		6,000 00
1945.	July	1.	City of Detroit,	4		4,000 00
1946.	March	1.	City of Detroit,	4		4,000 00
1944.	Nov.	1.	State of Michigan,	4¼		500,000 00
	Sept.	1.	City of St. Paul, Minn.,	4¼		200,000 00
1949.	March	1.	City of Cleveland, Ohio,	4½		100,000 00
1938.	July	1.	State of Louisiana, P. C.,	5		15,000 00
1942.	July	1.	State of Louisiana, P. C.,	5		15,000 00
1947.	July	1.	State of Louisiana, P. C.,	5		20,000 00
1949.	July	1.	State of Louisiana, P. C.,	5		5,000 00
1950.	July	1.	State of Louisiana, P. C.,	5		5,000 00
1951.	July	1.	State of Louisiana, P. C.,	5		5,000 00
1952.	July	1.	State of Louisiana, P. C.,	5		5,000 00
Carried forward,						\$3,266,000 00

<i>Brought forward,</i>					\$3,266,000 00
1953.	July	1.	State of Louisiana, P. C.,	5	15,000 00
1955.	July	1.	State of Louisiana, P. C.,	5	5,000 00
1956.	July	1.	State of Arkansas,	4 $\frac{3}{4}$	40,000 00
1966.	July	1.	City and County of San Francisco, Cal.,	4 $\frac{1}{2}$	25,000 00
1967.	July	1.	City and County of San Francisco, Cal.,	4 $\frac{1}{2}$	25,000 00
1969.	July	1.	City and County of San Francisco, Cal.,	4 $\frac{1}{2}$	25,000 00
1975-45.	Dec.	1.	City of Philadelphia, Pa.,	4 $\frac{1}{2}$	15,000 00
					\$3,416,000 00

SERIAL BONDS.

Due Jan. 1, 1931-35,	\$2,000 annually.	William H. Garvey Playground Im- provement,	4	\$10,000 00	
Due " 1, 1936-45,	\$1,000 annually.	William H. Garvey Playground Im- provement,	4	10,000 00	
Due " 1, 1931-43,	\$1,000 annually.	P a r k, Wellington Hill,	4	13,000 00	
Due June 1, 1937.....		Playground P u r - poses,	4	12,000 00	
Due " 1, 1937.....		Public Parks, North End,	4	10,000 00	
Due Oct. 1, 1931-32,	\$1,000 annually.	Municipal Building, South Boston,	4	2,000 00	
Due Dec. 1, 1938.....		Dock Square and Faneuil Hall Square Improve- ment,	4 $\frac{1}{4}$	24,000 00	
Due " 1, 1937-38,	\$20,000 annually.	Kneeland Street Im- provement,	4	40,000 00	
Due " 1, 1941.....		Kneeland Street Im- provement,	4	6,000 00	
					127,000 00
Investments,					\$3,543,000 00
Cash,					943 22
Total Resources,					
					\$3,543,943 22

RAPID TRANSIT LOAN, ARLINGTON STATION, DEBT AND SINKING FUND.

RAPID TRANSIT LOAN, ARLINGTON STATION, SINKING FUND DEBT.

"Rapid Transit Loan, Arlington Station, Debt," issued under chapter 342, Special Acts of 1916, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Rapid Transit Loan, Arlington Station, Sinking Fund." The dates show when the debt becomes due.

1967.	Oct.	1.	Arlington Station,	4	\$20,000 00
1968.	Jan.	1.	Arlington Station,	4	5,000 00
	Oct.	1.	Arlington Station,	4 $\frac{1}{4}$	150,000 00
1970.	Jan.	1.	Arlington Station,	4 $\frac{1}{4}$	80,000 00
	April	1.	Arlington Station,	5	170,000 00
1971.	Jan.	1.	Arlington Station,	4 $\frac{1}{2}$	425,000 00
	May	1.	Arlington Station,	4 $\frac{1}{2}$	325,000 00
	Dec.	1.	Arlington Station,	4 $\frac{1}{4}$	60,000 00
1973.	Nov.	1.	Arlington Station,	4	2,000 00
1975.	April	1.	Arlington Station,	4	1,000 00
Total Debt,					
					\$1,238,000 00

RAPID TRANSIT LOAN, ARLINGTON STATION, DEBT AND SINKING FUND.

RAPID TRANSIT LOAN, ARLINGTON STATION, SINKING FUND.

Resources of the "Rapid Transit Loan, Arlington Station, Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1948.	Oct.	1.	Hyde Park Street Railway,	4	\$8,000 00
Investments,					\$8,000 00
Cash,					3,097 17
Total Resources,					
					\$11,097 17

RAPID TRANSIT, BOSTON TUNNEL AND SUBWAY, DEBT AND SINKING FUND.

RAPID TRANSIT, BOSTON TUNNEL AND SUBWAY, DEBT.

"Rapid Transit, Boston Tunnel and Subway Debt" of the City of Boston, issued under chapter 534, Acts of 1902, of the Legislature of Massachusetts, and "not included within the limit of debt fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Boston Tunnel and Subway Sinking Fund." The dates show when the debt becomes due.

1944.	Jan.	1.	Boston Tunnel and Subway,	3½		\$50,000 00
	June	1.	Boston Tunnel and Subway,	3½		950,000 00
1945.	April	1.	Boston Tunnel and Subway,	3½	\$556,700 00	
	July	1.	Boston Tunnel and Subway,	3½	1,400,000 00	
						1,956,700 00
1946.	April	1.	Boston Tunnel and Subway,	3½	\$11,000 00	
	June	1.	Boston Tunnel and Subway,	3½	489,000 00	
	July	1.	Boston Tunnel and Subway,	4	1,000,000 00	
						1,500,000 00
1947.	Jan.	1.	Boston Tunnel and Subway,	3½	\$13,150 00	
	April	1.	Boston Tunnel and Subway,	4	486,850 00	
	July	1.	Boston Tunnel and Subway,	4	1,000,000 00	
						1,500,000 00
1948.	June	1.	Boston Tunnel and Subway,	4		2,000,000 00
1949.	April	1.	Boston Tunnel and Subway,	3½		300,000 00
			Total Debt,			<u>\$8,256,700 00</u>

RAPID TRANSIT, BOSTON TUNNEL AND SUBWAY, SINKING FUND.

Resources of the "Rapid Transit, Boston Tunnel and Subway, Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1931.	July	1.	Various Municipal Purposes, July 3, 1901,	3½		\$140,000 00
1932.	June	1.	Sewerage Loan,	3½		40,000 00
1935.	Jan.	1.	Separate Systems of Drainage,	3½		250,000 00
1936.	June	1.	Playgrounds, Wards 7 and 9,	3½		22,000 00
1937.	June	1.	Land and Buildings for Schools,	4		115,000 00
1942.	June	1.	East Boston Tunnel,	3½		25,000 00
1943.	Jan.	1.	Rapid Transit, East Boston Tunnel,	3½		25,000 00
	June	1.	East Boston Tunnel,	3½		134,000 00
1944.	Jan.	1.	Commonwealth of Massachusetts,	3½		1,000 00
	June	1.	Boston Tunnel and Subway,	3½		28,000 00
	"	1.	Sewerage Loan,	3½		34,000 00
1945.	April	1.	Boston Tunnel and Subway,	3½		154,000 00
1946.	June	1.	Boston Tunnel and Subway,	3½	\$321,000 00	
	July	1.	Boston Tunnel and Subway,	4	170,000 00	
						491,000 00
1947.	Jan.	1.	Boston Tunnel and Subway,	3½	\$13,150 00	
	April	1.	Boston Tunnel and Subway,	4	325,000 00	
	July	1.	Boston Tunnel and Subway,	4	332,300 00	
						670,450 00
1934.	March	1.	City of Toledo, Ohio,	4½		30,000 00
	"	1.	City of Columbus, Ohio,	4½		33,000 00
1935.	March	1.	City of Columbus, Ohio,	4½		33,000 00
1936.	March	1.	City of Columbus, Ohio,	4½		8,000 00
1938.	Dec.	1.	City of Pawtucket, R. I.,	4¼		80,000 00
1939.	July	1.	City of Atlanta, Ga.,	4½		40,000 00
1943.	May	1.	City of Baltimore, Md.,	4		24,000 00
1948.	Oct.	1.	Hyde Park Street Railway,	4		20,000 00
1970.	April	1.	Arlington Station,	5		100,000 00
	May	1.	Dorchester Rapid Transit,	4		80,000 00
	Nov.	1.	Dorchester Rapid Transit,	4		35,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾		40,000 00
1937.	June	1.	City of Paterson, N. J.,	4½		60,000 00
	Oct.	1.	City of Dayton, Ohio,	4½		25,000 00
1946.	Oct.	1.	City of Dayton, Ohio,	4½		5,000 00
1938.	Nov.	1.	City of Toledo, Ohio,	4½		25,000 00
1948.	Oct.	1.	City of Dayton, Ohio,	4½		10,000 00
1935.	Jan.	1.	State of North Carolina,	4½		10,000 00
1937.	Jan.	1.	State of North Carolina,	4½		200,000 00
1953.	Jan.	1.	State of North Carolina,	4½		10,000 00
			Carried forward,			<u>\$2,997,450 00</u>

<i>Brought forward,</i>					\$2,997,450 00
1962.	Jan.	1.	State of North Carolina,	4 $\frac{1}{2}$	30,000 00
1949.	Aug.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{2}$	10,000 00
1932.	July	1.	State of Louisiana, P. C.,	5	5,000 00
1937.	July	1.	State of Louisiana, P. C.,	5	5,000 00
1941.	Dec.	1.	State of Louisiana, P. C.,	5	5,000 00
1943.	July	1.	State of Louisiana, P. C.,	5	10,000 00
1945.	April	1.	State of Louisiana, P. C.,	5	10,000 00
1947.	July	1.	State of Louisiana, P. C.,	5	5,000 00
1949.	July	$\frac{3}{4}$.	State of Louisiana, P. C.,	5	10,000 00
1951.	July	1.	State of Louisiana, P. C.,	5	25,000 00
1953.	March	1.	State of Louisiana, P. C.,	5	45,000 00
	July	1.	State of Louisiana, P. C.,	5	40,000 00
1954.	July	1.	State of Louisiana, P. C.,	5	25,000 00
1961.	Dec.	1.	State of Louisiana, P. C.,	4 $\frac{3}{4}$	5,000 00
1967.	Dec.	1.	State of Louisiana, P. C.,	4 $\frac{3}{4}$	5,000 00
1969.	Dec.	1.	State of Louisiana, P. C.,	4 $\frac{3}{4}$	10,000 00
1971.	Dec.	1.	State of Louisiana, P. C.,	4 $\frac{3}{4}$	5,000 00
1944.	June	1.	City of Detroit, Michigan	4 $\frac{1}{2}$	100,000 00
1946.	Dec.	15.	City of Detroit, Michigan,	4 $\frac{1}{2}$	5,000 00
1947.	Dec.	15.	City of Detroit, Michigan,	4 $\frac{1}{2}$	75,000 00
1975-45.	Dec.	1.	City of Philadelphia, Pa.,	4 $\frac{1}{2}$	120,000 00
1963.	July	1.	City and County of San Francisco, Cal.,	4 $\frac{1}{2}$	25,000 00
1962.	July	1.	State of Arkansas,	4 $\frac{3}{4}$	37,000 00
1963.	July	1.	State of Arkansas,	4 $\frac{3}{4}$	25,000 00
1964.	July	1.	State of Arkansas,	4 $\frac{3}{4}$	30,000 00
					\$3,664,450 00

SERIAL BONDS.

Due June 1, 1931-34, \$2,000 annually.	Engine House, East Boston,	4	\$8,000 00
Due " 1, 1931-34, \$2,000 annually.	Fire Quarters, Readville,	4	8,000 00
Due Nov. 1, 1934-35, \$35,000 annually.	Dock Square and Faneuil Hall Square Improvement,	4	70,000 00
Due Dec. 1, 1939-40, \$20,000 annually.	Kneeland Street Improvement,	4	40,000 00
			126,000 00
Investments,			\$3,790,450 00
Cash,			66,047 40
Total Resources,			
			\$3,856,497 40

RAPID TRANSIT LOAN, CAMBRIDGE CONNECTION, DEBT AND SINKING FUND.

RAPID TRANSIT LOAN, CAMBRIDGE CONNECTION, SINKING FUND DEBT.

"Rapid Transit Loan, Cambridge Connection, Debt," issued under chapter 520, Acts of 1906, of the Legislature of Massachusetts and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Rapid Transit Loan, Cambridge Connection, Sinking Fund." The dates show when the debt becomes due.

1949.	April	1.	Rapid Transit, Cambridge Connection,	3 $\frac{1}{2}$	\$350,000 00
1950.	July	1.	Rapid Transit, Cambridge Connection,	4	500,000 00
1956.	July	1.	Rapid Transit, Cambridge Connection,	3 $\frac{1}{2}$	46,000 00
	Nov.	1.	Rapid Transit, Cambridge Connection,	4	404,000 00
1957.	May	1.	Rapid Transit, Cambridge Connection,	4	31,000 00
	Oct.	1.	Rapid Transit, Cambridge Connection,	4	119,000 00
1961.	Jan.	1.	Rapid Transit, Cambridge Connection,	4	15,000 00
1967.	Oct.	1.	Rapid Transit, Cambridge Connection,	4	20,000 00
1969.	Jan.	1.	Rapid Transit, Cambridge Connection,	4	100,000 00
1970.	May	1.	Rapid Transit, Cambridge Connection,	4	10,000 00
	Dec.	1.	Rapid Transit, Cambridge Connection,	4	5,000 00
1971.	Nov.	1.	Rapid Transit, Cambridge Connection,	4 $\frac{1}{2}$	35,000 00
1972.	Dec.	1.	Rapid Transit, Cambridge Connection,	3 $\frac{3}{4}$	5,000 00
1973.	May	1.	Rapid Transit, Cambridge Connection,	4	5,000 00
1974.	Nov.	1.	Rapid Transit, Cambridge Connection,	4 $\frac{1}{4}$	1,000 00
1975.	April	1.	Rapid Transit, Cambridge Connection,	4	2,000 00
Total Debt,					
					\$1,648,000 00

RAPID TRANSIT LOAN, CAMBRIDGE CONNECTION, SINKING FUND.

Resources of the "Rapid Transit Loan, Cambridge Connection, Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1932.	June	1.	Land and Buildings for Schools,	3½	\$25,000 00
1934.	Jan.	1.	Highways, Making of,	3½	30,000 00
1935.	April	1.	Rapid Transit,	4	4,000 00
1937.	July	1.	Charlestown Bridge,	3½	23,000 00
1943.	May	1.	City of Baltimore, Md.,	4	15,000 00
1948.	Oct.	1.	Hyde Park Street Railway,	4	43,000 00
1951.	April	1.	State of Oregon,	4¼	50,000 00
1945-47.	Aug.	1.	City of Grand Rapids, Mich., \$10,000 an- nually,	4½	30,000 00
1970.	May	1.	Dorchester Rapid Transit,	4	25,000 00
	Nov.	1.	Dorchester Tunnel,	4	8,000 00
1975-45.	Dec.	1.	City of Philadelphia, Pa.,	4½	113,000 00
1932.	March	1.	City of Pittsburgh, Pa.,	4¼	20,000 00
	Oct.	1.	City of Youngstown, Ohio,	5	25,000 00
1936.	March	1.	State of Alabama,	4¾	10,000 00
Investments,					\$421,000 00
Cash,					31,177 72
Total Resources,					<u>\$452,177 72</u>

RAPID TRANSIT LOAN, BOYLSTON STREET SUBWAY, DEBT AND SINKING FUND.

(Formerly Riverbank Subway.)

RAPID TRANSIT LOAN, BOYLSTON STREET SUBWAY, SINKING FUND DEBT.

"Rapid Transit Loan, Boylston Street Subway Debt," issued under chapter 741, Acts of 1911, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Rapid Transit Loan, Boylston Street Subway, Sinking Fund." The dates show when the debt becomes due.

1947.	Oct.	1.	Riverbank Subway,	4	\$5,000 00
1950.	July	1.	Riverbank Subway,	4	500,000 00
1957.	Oct.	1.	Boylston Street Subway,	4	1,500,000 00
1958.	Jan.	1.	Boylston Street Subway,	4	1,000,000 00
	Nov.	1.	Boylston Street Subway,	4½	1,300,000 00
1959.	July	1.	Boylston Street Subway,	4	100,000 00
1960.	Jan.	1.	Boylston Street Subway,	4	400,000 00
	April	1.	Boylston Street Subway,	4	37,000 00
	July	1.	Boylston Street Subway,	4	163,000 00
1964.	Jan.	1.	Boylston Street Subway,	4¼	100,000 00
	April	1.	Boylston Street Subway,	4¼	125,000 00
	Oct.	1.	Boylston Street Subway,	4¼	75,000 00
1965.	April	1.	Boylston Street Subway,	5	50,000 00
1967.	Oct.	1.	Boylston Street Subway,	4	20,000 00
1970.	Jan.	1.	Boylston Street Subway,	4	10,000 00
	Nov.	1.	Boylston Street Subway,	4	10,000 00
1974.	Nov.	1.	Boylston Street Subway,	4¼	1,000 00
1975.	April	1.	Boylston Street Subway,	4	22,000 00
	Dec.	1.	Boylston Street Subway,	4	5,000 00
Total Debt,					<u>\$5,423,000 00</u>

RAPID TRANSIT LOAN, BOYLSTON STREET SUBWAY, SINKING FUND.

Resources of the "Rapid Transit Loan, Boylston Street Subway, Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1936.	July	1.	Charlestown Bridge,	3½	\$1,000 00
1938.	Dec.	1.	City of Pawtucket, R. I.,	4¼	20,000 00
1939.	July	1.	City of Atlanta, Ga.,	4½	15,000 00
1948.	Oct.	1.	Hyde Park Street Railway,	4	18,000 00
	Aug.	1.	City of Grand Rapids, Mich.,	4½	10,000 00
1970.	Nov.	1.	Dorchester Tunnel,	4	8,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾	40,000 00
1975-45.	Dec	1.	City of Philadelphia, Pa.,	4½	6,000 00
Investments,					\$118,000 00
Cash,					51,089 41
Total Resources,					<u>\$169,089 41</u>

RAPID TRANSIT LOAN, BOYLSTON STREET SUBWAY, ACTS OF 1930 DEBT.

“Rapid Transit Loan, Boylston Street Subway, Acts of 1930, Debt,” issued under chapter 341, Acts of 1930, and not included within the debt limit fixed by section 3, chapter 27, of the Revised Laws.

1975.	Dec.	1.	Boylston Street Subway, Acts of 1930,	4	<u>\$700,000 00</u>
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RAPID TRANSIT LOAN, DORCHESTER TUNNEL, DEBT AND SINKING FUND.

RAPID TRANSIT LOAN, DORCHESTER TUNNEL, SINKING FUND DEBT.

“Rapid Transit Loan, Dorchester Tunnel Debt,” issued under chapter 741, Acts of 1911, of the Legislature of Massachusetts, and “not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws,” to be paid as it becomes due from the resources of the “Rapid Transit Loan, Dorchester Tunnel Sinking Fund.” The dates show when the debt becomes due.

1957.	Jan.	1.	Dorchester Tunnel,	4	\$300,000 00
	Oct.	1.	Dorchester Tunnel,	4	1,000,000 00
1958.	Jan.	1.	Dorchester Tunnel,	4	450,000 00
1959.	July	1.	Dorchester Tunnel,	4	1,400,000 00
1960.	Jan.	1.	Dorchester Tunnel,	4	2,000,000 00
	Oct.	1.	Dorchester Tunnel,	4 $\frac{1}{4}$	1,750,000 00
1961.	April	1.	Dorchester Tunnel,	4	350,000 00
	June	1.	Dorchester Tunnel,	4	1,400,000 00
1962.	April	1.	Dorchester Tunnel,	4	88,000 00
	May	1.	Dorchester Tunnel,	4 $\frac{1}{4}$	1,400,000 00
	Oct.	1.	Dorchester Tunnel,	4 $\frac{1}{4}$	12,000 00
1963.	April	1.	Dorchester Tunnel,	4 $\frac{1}{2}$	300,000 00
	Oct.	1.	Dorchester Tunnel,	4 $\frac{1}{4}$	153,000 00
	Nov.	1.	Dorchester Tunnel,	4 $\frac{1}{4}$	47,000 00
1964.	Jan.	1.	Dorchester Tunnel,	4 $\frac{1}{4}$	88,000 00
	Oct.	1.	Dorchester Tunnel,	4 $\frac{1}{4}$	12,000 00
1969.	Jan.	1.	Dorchester Tunnel,	4	50,000 00
1970.	Jan.	1.	Dorchester Tunnel,	4	300,000 00
	May	1.	Dorchester Tunnel,	4	700,000 00
	Nov.	1.	Dorchester Tunnel,	4	100,000 00
1971.	April	1.	Dorchester Tunnel,	4	150,000 00
1972.	Dec.	1.	Dorchester Tunnel,	3 $\frac{3}{4}$	65,000 00
1975.	April	1.	Dorchester Tunnel,	4	5,000 00
	Dec.	31.	Dorchester Tunnel,	4	30,000 00
Total Debt,					<u>\$12,150,000 00</u>

RAPID TRANSIT LOAN, DORCHESTER TUNNEL, SINKING FUND.

Resources of the “Rapid Transit Loan, Dorchester Tunnel, Sinking Fund,” being Bonds and Cash. The dates show when the Bonds become due.

1932.	June	1.	Broadway Bridge Rebuilding,	3 $\frac{1}{2}$	\$88,000 00
	Oct.	1.	City of Dayton, Ohio,	4 $\frac{1}{2}$	15,000 00
1934.	Oct.	1.	City of Dayton, Ohio,	4 $\frac{1}{2}$	7,000 00
1935.	Oct.	1.	City of Dayton, Ohio,	4 $\frac{1}{2}$	30,000 00
1933.	Jan.	2.	State of California,	4 $\frac{1}{4}$	10,000 00
1936.	June	1.	City of Paterson, N. J.,	4 $\frac{1}{2}$	40,000 00
1942.	Feb.	1.	City of Pawtucket, R. I.,	4 $\frac{1}{4}$	50,000 00
	Dec.	1.	State of Alabama,	4 $\frac{1}{4}$	30,000 00
1943.	May	1.	City of Baltimore, Md.,	4	32,000 00
1944.	June	1.	Land and Buildings for Schools,	3 $\frac{1}{2}$	50,000 00
	Dec.	15.	City of Newark, N. J.,	4 $\frac{1}{4}$	50,000 00
1948.	Oct.	1.	Hyde Park Street Railway,	4	5,000 00
1951.	April	1.	State of Oregon,	4 $\frac{1}{4}$	50,000 00
1970.	May	1.	Dorchester Rapid Transit,	4	20,000 00
	Nov.	1.	Dorchester Tunnel,	4	9,000 00
1973.	May	1.	Dorchester Rapid Transit,	3 $\frac{3}{4}$	30,000 00
1975-45.	Dec.	1.	City of Philadelphia, Pa.,	4 $\frac{1}{2}$	28,000 00
					<u>\$544,000 00</u>

SERIAL BONDS.

Due Dec. 1, 1931.....	Stuart Street,	4 $\frac{1}{4}$	\$50,000 00	
Due “ 1, 1939-40, \$24,000 annually.	Dock Square and Faneuil Hall Square Improvement,	4 $\frac{1}{4}$	<u>48,000 00</u>	98,000 00
Investments,				\$642,000 00
Cash,				105,010 30
Total Resources,				<u>\$747,010 30</u>

RAPID TRANSIT LOAN, DORCHESTER RAPID TRANSIT DEBT.

Issued under chapter 470, Acts of 1923, and not included within the debt limit fixed by section 3, chapter 27, of the Revised Laws.

1970.	Jan.	1.	Dorchester Rapid Transit,	4	\$150,000 00
	May	1.	Dorchester Rapid Transit,	4	350,000 00
	Nov.	1.	Dorchester Rapid Transit,	4	300,000 00
1971.	April	1.	Dorchester Rapid Transit,	4	2,000,000 00
	Oct.	1.	Dorchester Rapid Transit,	4	1,000,000 00
1972.	May	1.	Dorchester Rapid Transit,	4	1,500,000 00
	July	1.	Dorchester Rapid Transit,	4	342,000 00
	Dec.	1.	Dorchester Rapid Transit,	3 $\frac{3}{4}$	1,658,000 00
1973.	May	1.	Dorchester Rapid Transit,	3 $\frac{3}{4}$	1,050,000 00
	"	1.	Dorchester Rapid Transit,	3 $\frac{1}{2}$	150,000 00
	Nov.	1.	Dorchester Rapid Transit,	4	1,000,000 00
1974.	June	1.	Dorchester Rapid Transit,	4 $\frac{1}{4}$	700,000 00
	Nov.	1.	Dorchester Rapid Transit,	4 $\frac{1}{4}$	250,000 00
1975.	April	1.	Dorchester Rapid Transit,	4	190,000 00
	Dec.	31.	Dorchester Rapid Transit,	4	20,000 00
Total Debt,					<u>\$10,660,000 00</u>

RAPID TRANSIT LOAN, DORCHESTER RAPID TRANSIT SINKING FUND.

Resources of the "Dorchester Rapid Transit Sinking Fund."

Cash,	\$44,904 59
Total Resources,	<u>\$44,904 59</u>

RAPID TRANSIT LOAN, EAST BOSTON TUNNEL, DEBT AND SINKING FUND.

RAPID TRANSIT LOAN, EAST BOSTON TUNNEL, SINKING FUND DEBT.

"Rapid Transit Loan, East Boston Tunnel Debt," issued under chapter 548, Acts of 1894, chapter 500, Acts of 1897, chapter 190, Acts of 1903, and chapter 187, Acts of 1905, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Rapid Transit Loan, East Boston Tunnel, Sinking Fund." The dates show when the debt becomes due.

1937.	July	1.	Rapid Transit,	3 $\frac{1}{2}$	\$135,000 00
1938.	Jan.	1.	Rapid Transit,	3 $\frac{1}{2}$	200,000 00
1941.	Oct.	1.	Rapid Transit, East Boston Tunnel,	3	250,000 00
1942.	Jan.	1.	Rapid Transit, East Boston Tunnel,	3	200,000 00
	June	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	500,000 00
1943.	Jan.	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	300,000 00
	June	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{3}{4}$	1,300,000 00
1944.	June	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	133,000 00
1945.	July	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	100,000 00
1947.	Jan.	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	75,000 00
1957.	July	1.	Rapid Transit, East Boston Tunnel,	4	50,000 00
1960.	Jan.	1.	Rapid Transit, East Boston Tunnel,	4	15,000 00
1961.	Jan.	1.	Rapid Transit, East Boston Tunnel,	4	10,000 00
1962.	Oct.	1.	Rapid Transit, East Boston Tunnel,	4 $\frac{1}{4}$	15,000 00
1965.	Jan.	1.	Rapid Transit, East Boston Tunnel,	4 $\frac{1}{4}$	10,000 00
	"	1.	Rapid Transit, East Boston Tunnel,	4	26,000 00
	June	1.	Rapid Transit, East Boston Tunnel,	5	1,000 00
1966.	Jan.	1.	Rapid Transit, East Boston Tunnel,	4 $\frac{1}{2}$	9,000 00
1967.	Oct.	1.	Rapid Transit, East Boston Tunnel,	4	5,000 00
Total Debt,					<u>\$3,334,000 00</u>

RAPID TRANSIT LOAN, EAST BOSTON TUNNEL, SINKING FUND.

Resources of the "Rapid Transit Loan, East Boston Tunnel, Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1932.	Dec.	31.	Highways, Making of,	3 $\frac{1}{2}$	\$18,000 00
1934.	Jan.	1.	Dorchester Street,	3 $\frac{1}{2}$	20,000 00
	"	1.	Highways, Making of,	3 $\frac{1}{2}$	15,000 00
	"	1.	Laying Out and Construction of Highways,	3 $\frac{1}{2}$	15,000 00
Carried forward,					<u>\$68,000 00</u>

			<i>Brought forward,</i>		\$68,000 00
1935.	Dec.	1.	Highways, Making of,	3 $\frac{1}{2}$	10,000 00
1936.	Jan.	1.	Rapid Transit,	3 $\frac{1}{2}$	44,000 00
	April	1.	Rapid Transit,	3 $\frac{1}{2}$	1,000 00
1937.	July	1.	Rapid Transit,	3 $\frac{1}{2}$	69,000 00
1938.	Oct.	1.	Cambridge Bridge,	3 $\frac{1}{2}$	50,000 00
1941.	Oct.	1.	Rapid Transit, East Boston Tunnel,	3	170,000 00
1942.	Jan.	1.	Rapid Transit, East Boston Tunnel,	3	200,000 00
1943.	June	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	51,000 00
1944.	June	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	10,000 00
	"	1.	Sewerage Loan,	3 $\frac{1}{2}$	51,000 00
1945.	Jan.	1.	Cambridge Bridge,	3 $\frac{1}{2}$	5,000 00
	April	1.	Boston Tunnel and Subway,	3 $\frac{1}{2}$	45,000 00
	July	1.	Land and Buildings for Schools,	3 $\frac{1}{2}$	80,000 00
1946.	June	1.	Boston Tunnel and Subway,	3 $\frac{1}{2}$	71,000 00
	July	1.	Boston Tunnel and Subway,	4	50,000 00
1947.	Jan.	1.	Rapid Transit, East Boston Tunnel,	3 $\frac{1}{2}$	47,000 00
	April	1.	Boston Tunnel and Subway,	4	58,000 00
1948.	Oct.	1.	Hyde Park Street Railway,	4	8,000 00
1957.	July	1.	Rapid Transit, East Boston Tunnel,	4	37,000 00
1970.	April	1.	Arlington Station,	5	70,000 00
	May	1.	Dorchester Tunnel,	4	50,000 00
	"	1.	Dorchester Rapid Transit,	4	30,000 00
	"	1.	Cambridge Connection,	4	5,000 00
	Nov.	1.	Dorchester Rapid Transit,	4	40,000 00
1973.	May	1.	Dorchester Rapid Transit,	3 $\frac{3}{4}$	10,000 00
1935.	May	1.	City of Cranston, R. I.,	4 $\frac{1}{4}$	8,000 00
1936.	May	1.	City of Cranston, R. I.,	4 $\frac{1}{4}$	8,000 00
1937.	Feb.	1.	City of Toledo, Ohio,	4 $\frac{1}{2}$	25,000 00
	Nov.	1.	City of Toledo, Ohio,	4 $\frac{1}{2}$	30,000 00
1936.	Oct.	1.	City of Dayton, Ohio,	4 $\frac{1}{2}$	45,000 00
1943.	May	1.	City of Baltimore, Md.,	4	195,000 00
1942.	Aug.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{2}$	10,000 00
1943.	Aug.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{2}$	10,000 00
1944.	Aug.	1.	City of Grand Rapids, Mich.,	4 $\frac{1}{2}$	10,000 00
1933.	Jan.	2.	State of California,	4 $\frac{1}{4}$	30,000 00
1946.	July	3.	State of California,	4 $\frac{1}{2}$	12,000 00
1965.	July	1.	City and County of San Francisco, Cal.,	4 $\frac{1}{2}$	25,000 00
1975-45.	Dec.	1.	City of Philadelphia, Pa.,	4 $\frac{1}{2}$	168,000 00
					\$1,906,000 00

SERIAL BONDS.

Due April 1, 1934.....	Dock Square and Faneuil Hall Square Improve- ment,	4	\$36,000 00
Due Dec. 1, 1938.....	Stuart Street.....	4 $\frac{1}{4}$	50,000 00
Due April 1, 1939.....	Dock Square and Faneuil Hall Square, Improve- ment.	4	36,000 00
Due Nov. 1, 1945.....	Charities Adminis- tration Building and Temporary Home,	4	4,000 00
			126,000 00
Investments,			\$2,032,000 00
Cash,			25,100 44
Total Resources,			<u>\$2,057,100 44</u>

RAPID TRANSIT LOAN, EAST BOSTON TUNNEL ALTERATIONS, DEBT AND SINKING FUND.

RAPID TRANSIT LOAN, EAST BOSTON TUNNEL ALTERATIONS, SINKING FUND DEBT.

"Rapid Transit Loan, East Boston Tunnel Alterations, Debt," issued under chapter 373, Special Acts of 1917, of the Legislature of Massachusetts and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Rapid Transit Loan, East Boston Tunnel Extension, Sinking Fund." The dates show when the debt becomes due.

1966.	Nov.	1.	East Boston Tunnel, Alterations,	4 $\frac{1}{2}$	\$150,000 00
1967.	May	1.	East Boston Tunnel, Alterations,	4	1,000,000 00
<i>Carried forward,</i>					\$1,150,000 00

			<i>Brought forward,</i>		\$1,150,000 00
1967.	Oct.	1.	East Boston Tunnel, Alterations,	4	500,000 00
1968.	Jan.	1.	East Boston Tunnel, Alterations,	4	97,000 00
	July	1.	East Boston Tunnel, Alterations,	4½	1,053,000 00
	"	1.	East Boston Tunnel, Alterations,	4	200,000 00
1969.	Jan.	1.	East Boston Tunnel, Alterations,	4	260,000 00
	May	1.	East Boston Tunnel, Alterations,	4	390,000 00
	Oct.	1.	East Boston Tunnel, Alterations,	4	250,000 00
Total Debt,					<u>\$3,900,000 00</u>

RAPID TRANSIT LOAN, EAST BOSTON TUNNEL ALTERATIONS, DEBT AND SINKING FUNDS.

RAPID TRANSIT LOAN, EAST BOSTON TUNNEL ALTERATIONS, SINKING FUND.

Resources of the "Rapid Transit Loan, East Boston Tunnel Extension, Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1932.	June	1.	Land and Buildings for Schools,	3½	\$2,000 00
1934.	Jan.	1.	Commonwealth of Massachusetts,	3½	1,000 00
1938.	Jan.	1.	Commonwealth of Massachusetts,	3½	29,000 00
1944.	June	1.	Land and Buildings for Schools,	3½	10,000 00
1948.	Oct.	1.	Hyde Park Street Railway,	4	8,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾	15,000 00
Investments,					\$65,000 00
Cash,					26,677 54
Total Resources,					<u>\$91,677 54</u>

RAPID TRANSIT, EAST BOSTON TUNNEL ALTERATIONS, ACTS OF 1924, DEBT.

Issued under chapter 120, Acts of 1924, and not included within the debt limit fixed by section 3, chapter 27, of the Revised Laws.

1970.	May	1.	East Boston Tunnel Alterations, Acts of 1924,	4	<u>\$20,000 00</u>
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RAPID TRANSIT LOAN, EAST BOSTON TUNNEL EXTENSION, DEBT AND SINKING FUND.

RAPID TRANSIT LOAN, EAST BOSTON TUNNEL EXTENSION, SINKING FUND DEBT.

"Rapid Transit Loan, East Boston Tunnel Extension, Debt," issued under chapter 741, Acts of 1911, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Rapid Transit Loan, East Boston Tunnel Extension, Sinking Fund." The dates show when the debt becomes due.

1957.	Jan.	1.	East Boston Tunnel Extension,	4	\$200,000 00
	Oct.	1.	East Boston Tunnel Extension,	4	200,000 00
1958.	Jan.	1.	East Boston Tunnel Extension,	4	650,000 00
1959.	July	1.	East Boston Tunnel Extension,	4	1,000,000 00
1960.	Jan.	1.	East Boston Tunnel Extension,	4	400,000 00
1969.	Jan.	1.	East Boston Tunnel Extension,	4	50,000 00
Total Debt,					<u>\$2,500,000 00</u>

RAPID TRANSIT LOAN, EAST BOSTON TUNNEL EXTENSION, SINKING FUND.

Resources of the "Rapid Transit Loan, East Boston Tunnel Extension, Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1935.	April	1.	Rapid Transit,	4	\$2,000 00
1936.	Oct.	1.	City of Dayton, Ohio,	4½	20,000 00
1939.	June	1.	City of Schenectady, N. Y.,	4½	8,000 00
1941.	Jan.	1.	City of Chicago, Ill.,	4	30,000 00
1948.	Oct.	1.	Hyde Park Street Railway,	4	15,000 00
1970.	Nov.	1.	Boylston Street Railway,	4	10,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾	10,000 00
<i>Carried forward,</i>					<u>\$95,000 00</u>

Brought forward,

\$95,000 00

SERIAL BONDS.

Due Dec. 1, 1939-41, \$50,000 annually.	Stuart Street,	4½	150,000 00
Investments,			\$245,000 00
Cash,			14,505 48
Total Resources,			<u>\$259,505 48</u>

RAPID TRANSIT, TREMONT STREET SUBWAY ALTERATIONS DEBT

Issued under chapter 120, Acts of 1924, and not included within the debt limit fixed by section 3, chapter 27, of the Revised Laws.

1970.	Jan.	1.	Tremont Street Subway Alterations,	4	\$50,000 00
1975.	April	1.	Tremont Street Subway Alterations,	4	5,000 00
	Dec.	1.	Tremont Street Subway Alterations,	4	10,000 00
Total Debt,					<u>\$65,000 00</u>

TRAFFIC TUNNEL DEBT.

Issued under chapter 297, Acts of 1929, and not included within the debt limit fixed by section 3, chapter 27, of the Revised Laws.

1979-49.	Dec.	1.	Traffic Tunnel,	4½	\$50,000 00
1980-50.	Sept.	1.	Traffic Tunnel,	4	4,000,000 00
Total Debt,					<u>\$4,050,000 00</u>

SUFFOLK COUNTY COURTHOUSE DEBT AND SINKING FUND.

SUFFOLK COUNTY COURTHOUSE SINKING FUND DEBT.

"Suffolk County Courthouse Debt," issued under chapter 101 of the Acts of 1887, and chapter 288, Acts of 1892, of the Legislature of Massachusetts, and "not included within the debt limit fixed by section 3 of chapter 27 of the Revised Laws," to be paid as it becomes due from the resources of the "Suffolk County Courthouse Sinking Fund." The dates show when the debt becomes due.

1937.	April	1.	Suffolk County Courthouse,	3½	\$800,000 00
1938.	July	1.	Suffolk County Courthouse,	3½	100,000 00
Total Debt,					<u>\$900,000 00</u>

SUFFOLK COUNTY COURTHOUSE SINKING FUND.

Resources of the "Suffolk County Courthouse Sinking Fund," being Bonds and Cash. The dates show when the Bonds become due.

1932.	June	1.	Laying Out and Construction of Highways,	3½	\$2,000 00
	"	1.	Chestnut Hill Park,	3½	5,000 00
	Dec.	31.	Highways, Making of,	3½	36,500 00
1933.	Jan.	1.	Parks, Brighton,	3½	25,000 00
1935.	Jan.	1.	Playgrounds, Wards 7 and 9,	3½	25,000 00
	Oct.	1.	Suffolk County Courthouse, \$3,740, payable October 1, annually, to and including October 1, 1935,	3	18,700 00
	Dec.	1.	Highways, Making of,	3½	9,000 00
1932.	March	1.	City of Pittsburgh, Pa.,	4¼	30,000 00
1933.	June	1.	City of Schenectady, N. Y.,	4½	10,000 00
1936.	June	1.	City of Paterson, N. J.,	4½	30,000 00
	Oct.	1.	City of St. Louis, Mo.,	4	50,000 00
	"	1.	City of Toledo, Ohio,	4½	25,000 00
1941.	Jan.	1.	Commonwealth of Massachusetts,	3½	43,000 00
1944.	June	1.	Sewerage Loan,	3½	48,000 00
1970.	May	1.	Dorchester Rapid Transit,	4	35,000 00
1976.	July	1.	City and County of San Francisco, Cal.,	4½	25,000 00
Carried forward,					<u>\$417,200 00</u>

Brought forward,				\$417,200 00
SERIAL BONDS.				
Due Jan. 1, 1931-36,	\$6,000 annually.	Central Library Building, Additional Site,	4	\$36,000 00
Due " 1, 1931-35,	\$2,000 annually.	High School of Commerce and School Administration Building,	4	10,000 00
Due April 1, 1931-36,	\$5,000 annually.	Highways, Making of,	4	30,000 00
Due July 1, 1932-35,	\$40,000 annually.	Sewerage Loan,	5	160,000 00
Due Oct. 1, 1931-32,	\$2,000 annually.	Consumptives' Hospital Department, Children's Hospital,	4	4,000 00
				240,000 00
Investments,				\$657,200 00
Cash,				8,659 89
Total Resources,				\$665,859 89

MONEYS FOR REDUCTION OF DEBT.

Received from Rents, Betterments, Sales of Land, etc.

INVESTMENTS.					
1933.	June	1.	Highways, Making of,	3½	\$20,000 00
	"	1.	Sewerage Loan,	3½	80,000 00
1939.	Jan.	1.	City of Chicago, Ill.,	4	100,000 00
1945.	Jan.	1.	City of Chicago, Ill.,	4	100,000 00
1938.	July	1.	City of Milwaukee, Wis.,	4½	150,000 00
1939.	July	1.	City of Milwaukee, Wis.,	4½	50,000 00
1943.	Dec.	15.	City of Newark, N. J.,	4¼	100,000 00
1950.	Oct.	1.	State of Mississippi,	4½	200,000 00
1954.	June	1.	State of Minnesota,	4¼	100,000 00
1973.	May	1.	Dorchester Rapid Transit,	3¾	720,000 00
Investment,					\$1,620,000 00
Cash,					287,797 38
Total Resources,					\$1,907,797 38

SUMMARY.

Total Sinking Fund Debt:		
City of Boston,		\$89,831,101 00
County of Suffolk,		900,000 00
		\$90,731,101 00
In addition to above there are Serial Loans outstanding amounting to,		61,924,999 96
Total outstanding Debt,		\$152,656,100 96

BOARD OF COMMISSIONERS OF SINKING FUNDS,
DECEMBER 31, 1930.

FREDERIC J. CROSBY, *Chairman.*

GUY W. COX.

MICHAEL H. CORCORAN.

SAMUEL KALESKY.

EUGENE M. MCSWEENEY.

WILLIAM SPOTTISWOODE.

RUPERT S. CARVEN, *Secretary.*

EDMUND L. DOLAN, *Treasurer.*

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ANNUAL REPORT
OF THE
SOLDIERS' RELIEF DEPARTMENT
FOR THE
YEAR ENDING DECEMBER 31, 1930.

BOSTON, February 1, 1931.

HON. JAMES M. CURLEY,
Mayor of the City of Boston.

SIR,— In compliance with the provisions of chapter 3, section 24, of the Revised Ordinances, I have the honor to present the annual report of the Soldiers' Relief Department for the year ending December 31, 1930.

HISTORY OF DEPARTMENT.

In 1861, one month after the outbreak of the Civil War, and under chapter 222 of the General Laws of Massachusetts, "Soldiers' Relief" became operative in the Commonwealth of Massachusetts. It was intended as a measure of assistance to veterans of the War of the Rebellion, and such a demand was made upon this department by the veterans of the Civil War, the relief work was continued until 1888, when the Legislature of the Commonwealth of Massachusetts enacted into law chapter 438, which established a Soldiers' and Sailors' Relief Department in every city and town in this state. The Act of 1888 was adopted for the purpose of removing from almshouses of the cities and

towns many of the Civil War veterans and their dependents and to free them from all taint of pauperism. Under this law the relief is paid by the city or town in which the beneficiary has a legal settlement. This meant that veterans of the Civil War and their dependents could support themselves in their own homes or in other suitable abodes where otherwise they would have been compelled to seek refuge in city almshouses, there to be supported as public charges.

Massachusetts was the first state in the Union to enact such legislation, and, as a matter of fact, is the only state in the Union today conducting Soldiers' and Sailors' Relief Departments on such liberal terms. The various statutes relating to Soldiers' Relief have been codified under chapter 115 of the General Laws and amendments thereto.

Soldiers' and Sailors' Relief is now extended to veterans of the Spanish-American War and the World War, with special benefits for veterans of the Philippine Insurrection, China Relief Expedition, and the Mexican Border Service. In January, 1898, under chapter 441 of the Acts of 1897, the present Soldiers' and Sailors' Relief Department of the City of Boston was created and placed in charge of a Soldiers' Relief Commissioner.

OBJECT.

Honorably-discharged veterans who served in the United States Army, Navy or Marine Corps during the Civil War, War with Spain, and World War, and dependents of these veterans, are eligible for relief, and this is given in acknowledgment of services rendered our country in time of need. Soldiers' Relief is granted in this form so that any real or fancied stigma of pauperism or charity would be removed. Soldiers' Relief is not a pension, but is to be enjoyed only by those who are in need and are worthy.

Through this department, in addition to Soldiers' Relief, State Aid and Military Aid are granted, and assistance is rendered in defraying burial expenses. Military Aid is granted to applicants who are sick or disabled and whose service is credited to the Commonwealth of Massachusetts; and in order to receive State Aid the applicant must be in receipt of a pension, compensation, or disability allowance from the United States Government. State Aid and Burial allowance are paid in their entirety by the Commonwealth, and

the cost of Military Aid is borne 50 per cent by the Commonwealth and 50 per cent by the city or town. A refund to the City of Boston amounting to \$43,831.72 should be received in November, 1931, to reimburse for the expenditure for State Aid, Military Aid, and Burials during the year 1930.

Until June 10, 1930, the family of a deceased veteran who was unworthy at the time of his death would not be eligible for relief as dependents. Chapter 110, which went into effect June 11, 1930, makes it possible for a widow and children or a dependent father or mother of a deceased veteran to receive Soldiers' Relief where they were heretofore refused same because the veteran was the victim of his own criminal or wilful misconduct. Therefore, the above-noted dependent relatives of deceased veterans are eligible for such Soldiers' Relief as may be necessary for their support, from the place of legal settlement, *regardless of the cause of the death of the veteran*. This department endorsed the enactment of this law as it was felt that the sins of the father should not be carried by the widow and dependent children after the death of the veteran.

AIMS OF THE DEPARTMENT.

The Commissioner of Soldiers' and Sailors' Relief is sworn to try fairly and impartially all cases brought before him, having in mind ministering to the needs of worthy applicants, and, at the same time, protecting the interests of all the taxpayers of the City of Boston. All cases must be decided strictly on their merits, and influential intervention cannot be permitted to sway the judgment of the Commissioner, so that the apparently friendless veteran is assured of justice at the hands of the Commissioner. The Commissioner must be ready to reject unworthy cases. It is the aim of this department to build up the stamina of the veteran and not destroy his initiative and independence by rendering aid over too long a period of time.

This department at present is divided into seven sections: The Commissioner's office, where a staff arranges for the hearing of all appeal cases and where all administrative work is done; a settlement division, where an efficient force investigates the legal settlement rights of all applicants, where court records are checked, ownership of personal and real estate is investigated, and where guardianships are provided for; an in-

vestigating division, which directs the work of a staff of visitors who investigate all cases at the homes of applicants, maintain contact with the applicants, both at home and the office, and then make recommendations, favorable or otherwise, for relief which is then approved or disapproved by the chief of that division; a review division, presided over by a deputy commissioner through whose hands all cases pass before being submitted to the finance division; a finance division, in which records of all cases approved for relief are kept, all expenditures of relief recorded, and through which all the finances of the Soldiers' Relief Department are expended; a rehabilitation unit, which is divided into two sections, an employment bureau and a government liaison section; a stenographic division, with a principal in charge, which transcribes the reports of visitors, and does general clerical work in the department.

SETTLEMENT DIVISION.

The present Commissioner, through this division, has arranged for a careful checkup of applicants on ownership of automobiles and real estate, as well as bank accounts. Under the present system there is but little chance of applicants blessed with worldly goods to falsify so far as these three essentials are concerned.

FINANCE DIVISION.

A special effort has been made during this administration to have returned to the City of Boston approximately \$75,000, which, over a period of years, has been received illegally by veterans who have been termed "gold brickers," and who accepted relief while employed, or who, at the time of application, had real estate or other property. A total of \$2,276.50 was recovered during the year and has been paid to the City Collector. During the last two months of 1930, as the result of a concerted action on the part of the Commissioner, \$2,000 of this money has been returned to the city.

GOVERNMENT LIAISON.

A liaison officer has assisted this department in removing from its rolls many veterans and dependents because of his efforts to procure from the United States Government, through the Veterans' Bureau, increases in

compensation, pension and disability allowance. At the present time this department has prosecuted through its liaison officer many cases, and there is an indication on the part of the Veterans' Bureau to render all assistance possible in obtaining for these veterans justice, which in the end will mean that the veterans and their families will be stricken from our rolls for the rest of their lives.

EMPLOYMENT BUREAU.

During the year 1930 this section of the Soldiers' Relief Department placed or assisted in placing in employment 599 applicants.

BURIALS.

To assist in defraying the expenses of burials of sixteen veterans and widows, the department expended during 1930 \$1,438.72. The department will be reimbursed this entire sum by the state.

In the World War Veterans' lot at Mount Hope Cemetery eighty-five heroes were at rest for years with nothing to mark the graves. The Commissioner designated Dr. F. W. Watkeys, Deputy Commissioner, to arrange for the placing of headstones on these graves, and during the year 1930 eight-five stones were placed in position with the name and service of the veteran inscribed thereon. In appreciation for this service the Graves Registration Officer for Suffolk County Council, American Legion, Fay W. Foss, forwarded a letter to Honorable James M. Curley, Mayor of Boston, which follows:

“Dear Mr. Mayor:

The World War Veterans' lot at Mount Hope Cemetery indicates clearly the interest the City of Boston has in its veterans and defenders.

For years no stones were placed upon the lot to mark burial.

This year eighty-five stones have been placed and the area is one of the most pleasing spots in the cemetery.

Dr. F. W. Watkeys, Deputy Commissioner of Soldiers' Relief, has performed outstanding service in the preparing and in the final securing of the stones.

Commissioner Long most cheerfully set the stones, causing unbounded pleasure to the thousands of veterans in Suffolk County.

Doctor Watkeys not only devoted time while on duty at the hall but consumed hours outside line of duty to make this possible.

Having been Graves Registration Officer for Suffolk County Council, American Legion, and also at present secretary thereof, it gives me much pleasure to write this letter to your Honor.’’

SOLDIERS' HOME.

During 1930 this department furnished transportation for eight-five persons to the National Soldiers' Home in Togus, Maine.

HOSPITALS.

The government liaison officer, in addition to his duties at the Veterans' Bureau, visits all of the government hospitals throughout the Commonwealth. The present Commissioner has made several visits during the year to all of the hospitals for the purpose of hearing and deciding cases of relief at the bedside of sick and dying veterans. This sort of personal contact has been a consolation to the veterans at those institutions with the result that the personal visits of the Commissioner have brought assurance during the dark hours of those patients that their loved ones at home would be properly cared for by the City of Boston. The Commissioner during these visits has inspected the hospitals as to the service rendered veterans of the City of Boston, and at all times the officials at these institutions have been courteous to the representative of this city.

ADDITIONAL AID.

With the cooperation of the Park Department and the Transit Department several hundred cords of wood have been placed at the disposal of this department. Practically every family on the rolls has received from a cord and a half to three cords of wood during the winter months at an expense of less than five dollars per family. This additional relief has brought forth many letters of thanks from veterans and their families. The Commissioner thanks the Park Commissioners and the Transit Commissioner for their cooperation; and whenever wood is available in the future, it is the intention of this department to provide fuel at this minimum expense.

GOVERNOR SQUARE IMPROVEMENT.

The expenditures of the department would have been far in excess of the amount actually expended were it not for his Honor, Mayor James M. Curley, placing veterans in employment at the Governor square job and other public works. On the Governor square job alone this department was enabled to save the taxpayers of the City of Boston a sum of money amounting to \$69,040.

In conclusion, the veterans' and their dependents' welfare is paramount, always, of course, bearing in mind the three necessary qualifications—honorable service, worthiness, and need; and the department aims to be of assistance to them in every way possible.

Respectfully,

JOHN J. LYDON,
Soldiers' Relief Commissioner.

AMOUNTS PAID MONTHLY FOR SOLDIERS' RELIEF.
MILITARY AID AND STATE AID.

1930.	Civil War.	Spanish War.	Mexican Border.	World War.	Emergency.	Total.
January.....	\$4,362 00	\$871 00	\$8 00	\$12,190 00	\$13,500 00	\$30,931 00
February.....	4,221 00	1,298 00	15 00	19,445 00	14,000 00	38,979 00
March.....	4,170 00	1,275 00	.....	22,557 58	16,000 00	44,002 58
April.....	4,175 00	1,248 00	.....	18,747 80	16,341 78	40,512 58
May.....	4,102 00	1,210 00	.....	17,010 50	13,640 22	35,962 72
June.....	4,076 00	1,219 00	.....	16,499 00	9,511 45	31,305 45
July.....	3,942 00	1,274 00	.....	13,598 00	9,966 70	28,780 70
August.....	3,905 00	1,168 00	15 00	14,791 00	9,113 41	28,992 41
September.....	3,596 00	1,346 00	22 00	14,438 50	10,266 53	29,669 03
October.....	3,741 00	1,172 00	.....	16,325 00	12,319 16	33,557 16
November.....	3,750 00	1,325 00	40 00	17,025 00	14,840 75	36,980 75
December.....	3,685 00	1,186 00	70 00	20,537 00	16,483 00	41,961 00
	\$47,725 00	\$14,592 00	\$170 00	\$203,164 38	\$155,983 00	\$421,634 38

AMOUNTS PAID MONTHLY FOR SOLDIERS' RELIEF,
MILITARY AID AND STATE AID.

1929.	Civil War.	Spanish War.	Mexican Border.	World War.	Total.
January.....	\$5,298 00	\$1,258 00	\$70 00	\$13,242 25	\$19,868 25
February.....	5,172 00	1,530 00	100 00	17,197 00	23,999 00
March.....	5,031 00	1,382 00	60 00	17,349 10	23,822 10
April.....	4,937 00	1,428 00	90 00	14,531 00	20,986 00
May.....	4,840 00	1,391 00	70 00	11,305 00	17,606 00
June.....	4,717 00	971 00	70 00	9,199 50	14,957 50
July.....	4,487 00	959 00	70 00	6,925 00	12,441 00
August.....	4,666 00	679 00	70 00	6,533 00	11,953 00
September.....	4,464 00	672 00	35 00	5,589 00	10,760 00
October.....	4,427 00	893 00	.....	6,121 00	11,441 00
November.....	4,324 00	731 00	.....	5,166 00	10,221 00
December.....	4,174 00	981 00	.....	8,711 50	13,866 50
Totals.....	\$56,537 00	\$12,875 00	\$635 00	\$121,874 35	\$191,921 35

In addition to the above pay roll payments, a total of \$79,500 was disbursed to applicants from the Emergency Fund.

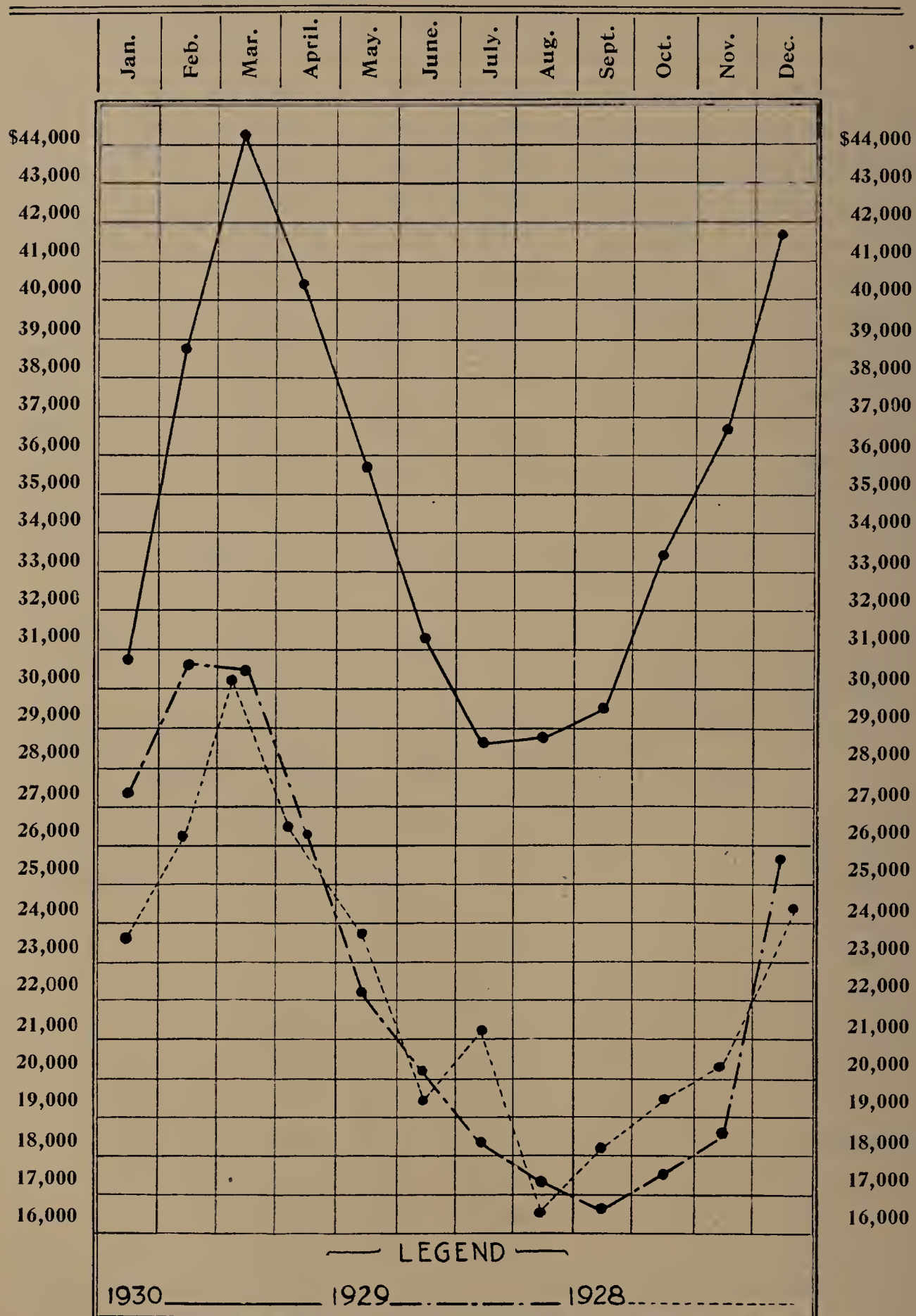
The following table will show the monthly changes in the number of applicants aided during 1930:

1930.	Civil War.	Spanish War.	World War.	Mexican Border.	Total.
January.....	281	83	617	1	982
February.....	279	94	799	1	1,173
March.....	278	94	834	1	1,207
April.....	274	95	819	.....	1,188
May.....	270	95	716	1	1,082
June.....	266	88	635	.....	989
July.....	257	82	600	.....	939
August.....	254	83	576	1	914
September.....	248	81	592	2	923
October.....	242	79	680	1	1,002
November.....	241	85	767	1	1,094
December.....	230	90	856	4	1,180

For comparison with 1930 the following table is shown for 1929:

1929.	Civil War.	Spanish War.	World War.	Mexican Border.	Total.
January.....	341	90	539	1	971
February.....	332	89	590	2	1,013
March.....	329	87	581	3	1,000
April.....	324	81	528	2	935
May.....	313	81	467	2	863
June.....	305	82	392	1	780
July.....	293	78	302	1	674
August.....	293	72	278	1	644
September.....	291	68	261	.....	620
October.....	288	70	289	.....	647
November.....	289	71	346	.....	706
December.....	264	77	509	.....	850

The following chart will illustrate the relative expenditures for Soldiers' Relief, Military and State Aid, month by month, for the years 1928, 1929, and 1930.



FINANCIAL STATEMENT, 1930.

Original appropriation	\$504,343 01
Cash on hand, January 1, 1930	792 00
	\$505,135 01

EXPENDITURES.

Civil War pay rolls	\$47,725 00
Spanish War pay rolls	14,592 00
Mexican Border pay rolls	170 00
World War pay rolls	203,164 38
Burials	1,438 72
Emergency payments	155,983 00
	\$423,073 10

SALARIES.

Commissioner	\$5,600 00
Other employees	63,624 66
	69,224 66

DEPARTMENT EXPENSES.

Printing and binding	\$574 81
Transportation of persons	2,483 06
Bond and insurance premiums	204 00
Communication	16 83
Fees, service of venires, etc	40 50
General plant	57 13
Office equipment	540 50
Office supplies	2,399 44
Pension	2,375 00
	8,691 27

Total expenditures	\$500,989 03
Appropriation not drawn on draft	1,954 98
Cash on hand, December 31, 1930	2,191 00
	\$505,135 01

Relief drafts drawn during the year 1930 were as follows:

Civil War	\$47,609 00
Spanish War	14,707 00
Mexican Border	170 00
World War	204,047 38
Burials	1,438 72
Emergency	156,500 00
Total relief drafts	\$424,472 10
Cash on hand, January 1, 1930	792 00
Total receipts	\$425,264 10
Relief expenditures	423,073 10
Cash on hand, December 31, 1930	<u>\$2,191 00</u>

The Commonwealth of Massachusetts reimbursed the City of Boston in 1930 the following amounts on account of expenditures in 1929:

State Aid	\$20,854 00	
Military Aid	12,947 50	
Burials	1,819 11	
		<u>\$35,620 61</u>

There should be received from the Commonwealth of Massachusetts in November, 1931, a refund of \$43,831.72 for State Aid, Military Aid, and Burials expended by this department for the year 1930.

SOLDIERS' RELIEF DEPARTMENT EXPENDITURES.

YEAR.	AMOUNT.	YEAR.	AMOUNT.
1861-2.....	\$129,309 00	1896-7.....	\$206,214 22
1862-3.....	309,553 09	1897-8.....	217,866 90
1863-4.....	297,328 33	1898-9.....	223,874 03
1864-5.....	293,987 07	1899-1900....	224,265 54
1865-6.....	117,469 30	1900-1.....	221,122 51
1866-7.....	257,407 60	1901-2.....	234,296 89
1867-8.....	109,179 79	1902-3.....	239,077 23
1868-9.....	108,709 95	1903-4.....	245,853 24
1869-70.....	102,845 29	1904-5.....	243,757 71
1870-1.....	96,564 20	1905-6.....	248,941 94
1871-2.....	89,942 41	1906-7.....	252,760 76
1872-3.....	89,940 45	1907-8.....	254,184 10
1873-4.....	83,435 12	1908-9.....	247,659 70
1874-5.....	88,639 87	1909-10.....	236,297 49
1875-6.....	84,219 50	1910-11.....	218,538 87
1876-7.....	82,225 36	1911-12.....	207,334 78
1877-8.....	81,629 51	1912-13.....	203,387 64
1878-9.....	119,981 12	1913-14.....	201,295 86
1879-80.....	91,445 66	1914-15.....	217,521 17
1880-1.....	99,020 21	1915-16.....	227,736 74
1881-2.....	100,310 55	1916-17.....	233,383 82
1882-3.....	97,276 01	1917-18.....	464,197 99
1883-4.....	92,475 79	1918-19.....	917,349 36
1884-5.....	94,134 31	1919-20.....	500,196 69
1885-6.....	97,052 74	1920-1.....	447,639 60
1886-7.....	96,911 46	1921-2.....	1,061,797 06
1887-8.....	99,516 82	1922-3.....	1,049,631 09
1888-9.....	105,254 35	1923-4.....	337,366 31
1889-90.....	117,498 75	1924-5.....	497,989 78
1890-1.....	139,343 06	1925.....	416,326 56
1891-2.....	122,655 04	1926.....	340,664 22
1892-3.....	181,488 01	1927.....	279,920 39
1893-4.....	187,334 61	1928.....	333,864 50
1894-5.....	202,344 27	1929.....	344,374 70
1895-6.....	204,311 30	1930.....	500,989 03

Gross amount expended	\$16,968,418 32
Money refunded by the state	8,732,316 80

Net amount expended by Soldiers' Relief Department up to January 1, 1931	<u>\$8,236,101 52</u>
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Respectfully,

JOHN J. LYDON,
Soldiers' Relief Commissioner.



ANNUAL REPORT
OF THE
STREET LAYING-OUT DEPARTMENT
FOR THE YEAR ENDING JANUARY 31, 1930.

BOSTON, January 1, 1931.

HON. JAMES M. CURLEY,
Mayor of Boston.

SIR,— The Board of Street Commissioners presents the following report of the Street Laying-Out Department for the year ending December 31, 1930.

Under orders for laying out, widening, relocating and extending streets, passed by the Board during the year, land to the amount of 280,713 square feet was taken for street purposes. Streets having a total length of 8.74 miles were made public ways.

Under authority of the acts of the Legislature for the levying of assessments on account of the benefits derived from the laying out and construction of highways there has been assessed on real estate, especially benefited, the sum of \$650,391.31. For benefits from sewerage works construction, assessments to the amount of \$83,103.81 have been made. The total of benefits assessed for streets and sewerage works during the year 1930 was \$733,495.12.

The Board issued one hundred and thirty-four orders of notice to lay out, widen, relocate, extend and dis-

continue streets, calling for public hearings. In the settlement of damages for the taking of land, and for various changes in the city's streets, two hundred and thirty cases were acted on.

Under the provisions of the act of the Legislature giving the Street Commissioners authority to take land for and order the construction of sewerage works, two hundred and forty-one orders were passed.

The following new streets, with their lengths, were laid out during the year.

WEST ROXBURY DISTRICT.

	Feet.	Total Feet.
Alhambra road, from Maple street to Willow street	486	
Arbborough road, from Conway street to Arnold Arboretum	773	
Ardmore road, from Sidley road westerly for 328 feet	328	
Bournedale road (formerly Westbourne terrace), from Northbourne street to Westbourne road	730	
Brier road (formerly Summit road), from La Grange street to Cottage avenue	489	
Buchanan road, from Centre street to Andover road	707	
Cerdan avenue, from Weld street southwesterly to a point 120 feet northeasterly of Sunset Hill avenue, ...	1,607	
Colberg avenue (extension), Beech street to West Roxbury Parkway	412	
Firth road, from Washington street to Florence street	796	
Franklin Hill avenue, from Canterbury street to Harvard street	1,054	
Gartland street (formerly Garfield street), from Washington street to Cary road	593	
Glade avenue, from Glen road southerly for 358 feet	358	
Glenside avenue, from Glen road southerly for 355 feet	355	
Granfield avenue, from Washington street easterly for 893 feet	893	
Knoll street (extension), from Selwyn street northwesterly for 663 feet	663	
<i>Carried forward</i>	10,244	

	Feet.	Total Feet.
<i>Brought forward</i>	10,244	
Lasell street, from Baker street north-easterly to a point approximately 672 feet northeasterly of La Grange street	2,111	
McCraw Street Footway, from McCraw street to Guernsey street, Navarre street (formerly Newburn), from Canterbury street to Richards avenue	82	
Orchardhill road (formerly Orchard avenue), from Morton street to Lennoco road	977	
Plainfield street, from Rossmore road to northeasterly line of Brookley road	973	
Roslindale avenue (formerly Amherst street), extension from Dudley avenue northeasterly for 811 feet	461	
Sidley road, from Church street southerly for 406 feet	811	
Wellsmere road (formerly Welles street), from Washington street to Kittredge street	406	
Wycliff avenue (formerly Whiting street), from Baker street to Gardner street	761	
	984	
	—	17,810

ROXBURY DISTRICT.

Basswood street, from South Huntington avenue to Cranford street	374	
Coventry street, from Tremont street to Columbus avenue	280	
Cranford street, from Heath street to Floyd street	515	
Floydess street (formerly Floyd street), from South Huntington avenue to Cranford street	257	
Frawley street, from Hillside street to Huntington avenue	488	
Iroquois street (extension), from Darling street to Sachem street	167	
Maybury street (formerly May street), from Holborn street to Quincy street	315	
Mission street, from Huntington avenue to Stockwell street	353	
	—	—
<i>Carried forward</i>	2,749	17,810

	Feet.	Total Feet.
<i>Brought forward</i>	2,749	17,810
Pleasanton street (formerly Mt. Pleasant avenue), from Homestead street to Ruthven street	355	
Segel street, from Georgia street to Cheney street	295	
Shepherd avenue, southerly from Huntington avenue for 160 feet .	160	
Stockwell street, from Wait street to Frawley street	173	
Washington place, northeasterly from Roxbury street for 238 feet . . .	238	
	-----	3,970
BRIGHTON DISTRICT.		
Barrows street, from Cambridge street to Armington street (without construction)	250	
Corinne road, from Ranelegb road to Falkland terrace	538	
Donnybrook road, from Faneuil street to Hobson street	926	
Hunnewell avenue (extension), from Matchett street to Atkins street .	251	
Melvin avenue (formerly Elizabeth avenue), from Commonwealth avenue to Allston street	264	
Rogers Park avenue, from Lake street to Foster street	867	
South Hobart street, from Faneuil street to Oakland street	882	
South Waverly street, from Lincoln street to Litchfield street	1,134	
	-----	5,112
SOUTH BOSTON DISTRICT.		
Champlain street (formerly Champney street), from Newman street to Columbia road	552	
E street (extension), southwesterly from northeasterly line of Fargo street for 880 feet	880	
Fargo street (extension), D street to Summer street	945	
Hardy street, from Marine road to East Eighth street	250	
	-----	2,627
<i>Carried forward</i>		29,519

	Feet.	Total Feet.
<i>Brought forward</i>		29,519
DORCHESTER DISTRICT.		
Althea street, from Centre street to Whitten street	295	
Astoria street, southwesterly from Flint street for 955 feet	955	
Brent street, from Wainwright street to Melbourne street	290	
Butler street (extension), from Adams street southeasterly to railroad and from railroad to Vose street	797	
Clematis street, from Centre street to Whitten street	288	
Fairway street (formerly Oakland place), from Cummins Highway to Blue Hill avenue (without construction)	384	
Frontenac street, from Blue Hill avenue to Lucerne street	465	
Gilmer street, from Westmore road to Wellington Hill street	305	
Greenfield road (extension) (formerly Randolph road), from Ridge road to Cummins Highway	424	
Joseph street, from Welles avenue to Brent street	268	
Lafield street, from Centre street to Dix street	360	
Linden street (formerly Homes avenue) extension, from Adams street to Juliette street	190	
Livingstone street, from Blue Hill avenue to Lucerne street	465	
Melbourne road (extension), from Brent street to Welles avenue	268	
Oakhurst street (formerly Oak terrace), from Boyden street to Lyford street	532	
Ormond street, from Wellington Hill street to Wellington Hill street	1,813	
Outlook road, from Ormond street to Byers road	719	
Ronan street (formerly Cornell street), southeasterly from Bellevue street, ...	365	
St. Gregory street, from Washington street to Dorchester avenue, over Bellows place	606	
<i>Carried forward</i>	9,789	29,519

	Feet.	Total Feet.
<i>Brought forward</i>	9,789	29,519
Ventura street (formerly Vose street), from Crest avenue to northeasterly line of Butler street	590	
Westglow street (formerly Fairview street), easterly from Adams street to Train street and easterly from Train street for 755 feet	1,602	
Westmoreland street (extension), to Fairfax street	402	
Wilrose street (formerly Wales place), from Puritan avenue to railroad	543	
	—	12,926
HYDE PARK DISTRICT.		
Chittick road (formerly Foster street), from Loring street southeasterly for 1,011 feet	1,011	
Seminole street, from Cummins High- way to Wood avenue	942	
	—	1,953
EAST BOSTON DISTRICT.		
Lillian street, from St. Andrew road to Bayswater street	219	
McKay place (formerly Lubec street), northeasterly from Maverick street for 125 feet	125	
St. Edward road (formerly Austin avenue), from Bayswater street to the Boston, Revere Beach & Lynn Railroad	683	
Teragram street, from Saratoga street to Bayswater street	439	
	—	1,466
CHARLESTOWN DISTRICT.		
North Mead street, northeasterly from Bunker Hill street for 302 feet, ...	302	
	—	302
		<u>46,166</u>

RECAPITULATION.

	Feet.
West Roxbury district	17,810
Roxbury district	3,970
Brighton district	5,112
South Boston district	2,627
Dorchester district	12,926
Hyde Park district	1,953
East Boston district	1,466
Charlestown district	302
	—
	46,166 = 8.74 miles.

Orders were passed for the following relocations and widenings of streets, and discontinuances:

Bath street, Boston proper district, discontinuance, easterly from Post Office square.

Codman street, Dorchester district, discontinuance of part easterly from Nevada street; discontinuance of part on southerly side of Gallivan Boulevard, near and west of Washington street.

Charles street, Boston proper district, relocated, and traffic circles ordered.

Allston street, Boston proper district, widening, southerly side, from passageway between properties Nos. 18 and 22, for 62 feet easterly.

Somerset street, Boston proper district, widening, westerly side, for 72 feet southerly from Allston street.

Allston street, Boston proper district, discontinuance of part for 49 feet westerly from Somerset street, on southerly side.

Columbia road, Dorchester district, widening at junction of Boston street and Massachusetts avenue.

Washington street, Brighton district, widening at westerly corner of Tremont street.

Green street, West Roxbury district, widening at northeasterly corner of Centre street.

Summer street, South Boston district, relocated, from near Army Base to East Second street.

L street, South Boston district, relocated, from East Second street to Broadway.

Morton street, Dorchester district, widening, from Gallivan Boulevard to Druid street.

Mountfort street, Boston proper district, widening, southerly side, from St. Mary's street to Audubon road.

Charles street, Boston proper district, relocated between southerly line of Embankment road and the northerly line of approach to Longfellow Bridge; widening, at northerly corner of Charles street and approach to Longfellow Bridge.

Washington street, Boston proper district, widening, north-westerly side, from Ordway place southwesterly for 63 feet.

North Harvard street, Brighton district, relocated from Western avenue to Cambridge street.

Washington street, Dorchester district, widening, westerly side, opposite Ruggles place.

Public Alley 808 was ordered laid out, between Shawmut avenue and Tremont street.

River street, Dorchester district, change of grade ordered easterly from Riverside place for 1,300 feet.

Authority was given to open the following private ways:

Arbella road, Dorchester district, northerly from Gallivan Boulevard.

Athlone avenue, Dorchester district, from Gallivan Boulevard to Morton avenue.

Beechcroft street, Brighton district, Washington street to Hester street, located approximately 180 feet west of Brock street.

Brock street, Brighton district, northerly from Washington street for a distance of approximately 624 feet (located approximately 180 feet east of Beechcroft street).

Chisholm lane, West Roxbury district, from Chisholm road to Summit street.

Chisholm road, West Roxbury district, from Cornell street to Poplar street.

Chisholm terrace, West Roxbury district, northwesterly from Chisholm road for a distance of approximately 141 feet.

Cranston road, West Roxbury district, westerly from Bonad road to the Brookline boundary line.

Cypress street, West Roxbury district, from Beech street to Walworth street.

Esther road, West Roxbury district, northerly from Centre street.

Farwell avenue, Hyde Park district, southeasterly from Summit street for a distance of approximately 206 feet (the northeasterly line of said Farwell avenue being 180 feet from and parallel to Milton avenue).

Filomena road, West Roxbury district, northeasterly from Hayes road for a distance of approximately 215 feet (located on Hayes road approximately 249 feet southeast of Birch street).

Gloria road, West Roxbury district, southeasterly from Centre street, for a distance of approximately 363 feet.

Gloria road, West Roxbury district, southerly from Centre street for a distance of approximately 375 feet.

Norris road, Hyde Park district, westerly from Metropolitan avenue for a distance of approximately 396 feet.

Oakdale avenue, West Roxbury district, northwesterly from Washington street.

Olive street, Brighton district, easterly from Brock street for a distance of approximately 263 feet (located approximately 206 feet north of Washington street).

Paine street, West Roxbury district, from Canterbury street to Lawn street.

Parkton road, West Roxbury district, from Russett road to Bonad road.

Prentiss road, West Roxbury district, from La Grange street southwesterly.

Russett road, West Roxbury district, westerly from Bonad road to the Brookline boundary line.

Russett road, West Roxbury district, northwesterly from Esther road.

Sherwood road, West Roxbury district, from Bonad road to Russett road.

Sidley road, West Roxbury district, beginning at a point approximately 144 feet north of Centre street and running northerly for a distance of approximately 490 feet.

Undine road, Brighton district, extension to Lake street.

Assessments were levied on account of the improvement of the following streets:

STREET.	Date of Order.	Cost.	Assessment.	Date of Assessment.
Armory street.....	May 21, 1928	\$3,473 64	\$921 76	May 29
Ashcroft street.....	Oct. 4, 1929	6,854 44	2,711 71	Sept. 19
Ashley street.....	Feb. 1, 1924	33,889 66	6,947 54	Jan. 2
Ashton street.....	Nov. 14, 1928	17,972 77	7,001 74	Jan. 2
Avalon road.....	Feb. 19, 1929	14,973 54	8,792 02	Jan. 23
Averton street.....	Jan. 2, 1929	17,047 96	9,518 44	March 6
Bellamy street.....	Aug. 19, 1929	16,216 74	3,501 49	Oct. 15
Bostonia avenue.....	July 2, 1929	21,291 78	8,316 36	Dec. 31
Brayton road.....	Dec. 12, 1928	29,612 08	11,925 02	March 6
Brookley road.....	April 11, 1929	12,529 59	5,119 38	Feb. 20
Buckingham street.....	Aug. 22, 1927	15,503 46	8,313 00	March 6
Burgoyne street.....	May 3, 1929	9,413 54	3,579 70	March 10
Burwell road.....	July 10, 1928	7,086 36	2,348 10	April 17
Causeway, Nashua and Lowell streets.	Nov. 11, 1927	836,339 26	194,096 80	March 20
Cedrus avenue.....	Aug. 13, 1929	11,092 18	6,832 74	March 31
Codman Hill avenue.....	Nov. 9, 1928	29,521 42	14,116 88	March 20
Columbine street.....	July 10, 1929	4,302 10	1,676 00	March 10
Cummins Highway (Ashland-Oakland streets).	June 7, 1927	457,149 35	35,273 16	March 31
Dent street.....	May 16, 1929	19,859 94	10,938 79	March 17
Devon street.....	Aug. 24, 1929	4,576 78	1,221 98	Dec. 12
Donald road.....	March 13, 1929	9,328 44	4,811 73	Jan. 2
Duke street.....	July 3, 1929	14,113 14	5,172 65	Aug. 19
Eastbourne street.....	April 30, 1929	7,956 85	4,977 60	Feb. 20
Edith street.....	Oct. 17, 1929	5,187 93	1,124 76	Nov. 13
Elven road.....	Aug. 31, 1928	5,754 63	2,703 96	March 31
Feneno terrace.....	July 15, 1929	2,279 33	779 00	March 10
Fiske terrace.....	July 15, 1929	2,552 45	576 05	March 10
Goodale road.....	Oct. 17, 1929	8,779 85	3,117 43	Nov. 28
Griggs street.....	Aug. 9, 1929	8,168 69	3,016 79	Sept. 19
<i>Carried forward.....</i>	.....	\$1,632,827 90	\$369,432 58	

STREET.	Date of Order.	Cost.	Assessment.	Date of Assessment.
<i>Brought forward</i>		\$1,632,827 90	\$369,432 58	
Hano street.....	Dec. 10, 1928	11,216 28	3,516 71	Dec. 12
Harriet street.....	July 29, 1929	22,516 65	8,931 15	Dec. 31
Hathaway street.....	June 26, 1929	3,593 60	1,166 75	March 6
Haydn street.....	Aug. 23, 1929	10,905 36	3,910 00	Oct. 15
Hazleton street.....	July 2, 1929	22,992 02	10,231 35	Aug. 19
Heathcote street.....	July 2, 1929	8,049 08	3,582 52	March 10
Helena road.....	May 3, 1929	10,393 98	4,546 84	March 10
Hemlock street.....	Nov. 1, 1929	14,533 55	6,314 43	Dec. 12
Hillview avenue.....	July 10, 1929	7,985 46	3,342 66	Oct. 31
Hurlcroft avenue.....	March 4, 1929	5,605 14	2,926 06	Jan. 2
Kilmarnock street.....	July 29, 1929	2,662 44	2,087 37	March 17
Landor road.....	July 2, 1929	5,740 16	2,563 30	March 10
Lauriat street.....	Aug. 21, 1929	5,657 16	1,899 96	Oct. 31
Leamington road.....	Aug. 21, 1928	15,454 20	7,703 92	Jan. 23
Leshner street.....	Oct. 4, 1929	6,462 11	2,569 60	Oct. 31
Liszt street.....	Aug. 23, 1929	10,545 37	2,990 82	Nov. 13
Mallard avenue.....	Oct. 4, 1929	8,158 35	2,980 79	Nov. 28
Manton terrace.....	July 15, 1929	2,602 36	752 00	March 10
Mendelssohn street.....	Aug. 23, 1929	10,600 67	4,399 65	Nov. 13
Milton avenue.....	Nov. 17, 1928	21,772 37	4,196 68	Aug. 19
Montvale street.....	June 6, 1929	3,576 17	1,770 34	Feb. 20
Morton street.....	March 11, 1927	86,654 29	20,696 45	Oct. 15
Mosgrove avenue.....	July 16, 1929	5,445 97	2,420 86	Oct. 15
Mt. Bowdoin terrace.....	Jan. 2, 1929	16,670 67	7,732 76	Feb. 8
Park terrace.....	Feb. 5, 1929	3,463 96	1,597 44	Feb. 8
Percival street.....	July 23, 1929	2,956 76	2,157 30	Oct. 15
Pershing road.....	June 24, 1929	14,949 15	10,439 20	March 17
Pinedale road.....	Aug. 19, 1928	13,035 84	6,888 24	Jan. 23
Radcliffe street.....	July 16, 1929	3,702 60	1,306 42	March 10
Ranelegh road.....	July 24, 1929	11,134 67	3,833 57	Aug. 19
Rector road.....	July 15, 1929	13,233 51	6,035 79	Oct. 31
Regal street.....	Oct. 17, 1929	6,500 19	644 64	Dec. 31
Regis road.....	April 3, 1929	24,276 31	10,180 50	Sept. 19
Rhoades street.....	Aug. 24, 1929	7,366 32	2,161 81	Nov. 28
River street.....	June 24, 1927	177,268 24	45,730 72	May 29
Rodman street.....	July 2, 1929	10,376 33	4,752 42	Aug. 19
<i>Carried forward</i>		\$2,240,885 19	\$578,393 60	

STREET.	Date of Order.	Cost.	Assessment.	Date of Assessment.
Brought forward.....		\$2,240,885 19	\$578,393 60	
Roseway street.....	June 7, 1929	8,393 81	4,216 24	Feb. 20
Rustic road.....	May 3, 1929	7,009 85	3,636 36	Feb. 8
Sedalia road.....	May 8, 1929	7,812 47	3,927 92	Feb. 8
Sharp street.....	Aug. 30, 1929	7,893 80	925 00	Oct. 15
South Crescent Circuit.....	Oct. 17, 1929	17,831 38	7,518 98	Dec. 31
Strathcona road.....	Sept. 9, 1929	7,316 61	2,921 64	Dec. 31
Sudan street.....	Jan. 2, 1929	5,336 39	3,717 72	Jan. 2
Supple road.....	July 15, 1929	9,240 96	4,183 22	March 17
Trapelo street.....	July 3, 1929	11,273 25	6,047 96	Sept. 19
Truxton street.....	July 21, 1929	22,181 82	12,720 88	Dec. 12
Vale street.....	July 22, 1929	5,512 64	3,058 96	Sept. 19
Vinal street.....	May 14, 1929	5,945 20	2,519 80	Feb. 8
Waldren road.....	Aug. 31, 1928	4,821 31	1,715 96	March 31
Washington street.....	Oct. 8, 1928	46,454 24	7,994 89	Sept. 19
Wilcox road.....	May 3, 1929	7,409 32	3,743 54	Feb. 8
Willoughby street.....	July 2, 1929	9,151 64	3,148 64	Sept. 19
		\$2,424,469 88	\$650,391 31	

INCOME.

Licenses for the storage and sale of merchandise in public highways, fees and rentals	\$46,925 00
Garage, gasoline, sign, projections, jitneys, etc.,	13,956 75
	\$60,881 75

EXPENDITURES.

Maintenance	\$184,833 73
Engineering, etc.	66,454 91
Land Damages:	
Highways, Making of	624,037 29
Norfolk street, Dorchester, widening	19 25
Cambridge street and Court street	142,600 00
Charles street, widening	204,226 00
Dock square and Faneuil Hall square	333,777 19
Morton street, improvement	4,497 92
Oakland and Ashland streets, improvement	18,399 99
River street, reconstruction	6,453 80
Street widenings and extensions, Act of 1929	272,986 16
Summer and L streets, widening and construc- tion of	83,350 00
	\$1,941,636 24

The following takings of land were made for the laying out, widening and relocating of streets:

	Square Feet.
Charles street	64,443
Allston street	30
Somerset street	45
Cranford street	1,048
Columbia road	598
Sidley road	303
Wycliff avenue	4,139
Washington street	101
Green street	170
Oakhurst street	3,030
E street	52,800
Summer street	15,001
Donnybrook road	109
Franklin Hill avenue	12,373
Morton street	40,821
Hunnewell avenue	5,309
<i>Carried forward</i>	200,320

	Square Feet.
<i>Brought forward</i>	200,320
Mountfort street	2,191
McCraw street footway	990
Corinne road	2,618
Outlook road	1,633
Orchardhill road	1,061
Bournedale road	36
Charles street (additional)	10,746
South Waverly street	10,571
Washington street	142
North Harvard street	45,017
Washington street	134
Public Alley 808	4,655
Devonshire street	30
Glendside avenue	569
	280,713

TAKING OF LAND FOR PUBLIC PURPOSES.

Chapter 486 of the Acts of the Legislature of 1909 provides that all takings of land for public purposes shall be made by the Board of Street Commissioners. The said Board shall take such land as the various departments, with the approval of the Mayor, request and designate. Under this act the Board has taken land for the following purposes:

Schools.

LOCATION.	District.	From Whom Taken.	Date of Taking.
Green street.....	West Roxbury..	Albert Hartian.....	April 30.
Middle and Wood-ward streets.	South Boston...	Ellen F. Sullivan, Elvira E. Harvey.	June 3.
Paris street and Chelsea court.	East Boston....	Manuel V. and Jacintha Saude, Francesca Grillo, Carmine and Guiseppina Telespio, Guiseppo and Anna Zirpolo, William Hassard, Michele Colotti, Michele and Celeste Cacca-viello, Carmela DeChristoforo.	June 3.
Hyde Park avenue, Hawthorne and Hamilton streets.	Hyde Park.....	Thomas R. Mahoney, Charles H. Mahoney, Frank D. Mahoney, Thomas H. Corrigan, heirs or devisees; William F. Dunn.	June 14.
Baker, Ansonia, and Cambria streets.	West Roxbury..	Frances A. Callahan.....	July 21.
Poplar and Dale streets.	West Roxbury..	Daisey L. Berry.....	July 25.

Playgrounds.

LOCATION.	District.	From Whom Taken.	Date of Taking.
Moreland, Fairland and Winthrop streets.	Roxbury.....	Thomas J. Fay.....	Feb. 3.
Pope and Byron streets.	East Boston....	Florence J. McCarthy, Michael P. Murphy.	March 1.
Dunbar avenue.....	Dorchester.....	The Buchanan Construction Company.	Sept. 11.
Foster street, Foster court, Foster place and Goodrich alley.	Boston proper..	James E. and Mary L. Gavin, Vincenzo Lanzo, owners unknown.	Nov. 7.
West Roxbury-Hyde Park Playground, Public Golf Course, West and Poplar streets.	West Roxbury-Hyde Park.	Aaron Smith; The Boston District Developing Corporation.	Dec. 2.
Faneuil street.....	Brighton.....	Annie T. K. Thornton; Josephine E. Pavis; Mary A. McGovern, heirs or devisees; Patrick R. Kenney; Thomas E. Kenney, heirs or devisees.	Dec. 10.

Library.

LOCATION.	District.	From Whom Taken.	Date of Taking.
Hazleton street.....	Dorchester.....	Mary Mitsch.....	July 16.

PUBLIC LANDS.

The following is a list of the real estate belonging to the City of Boston in charge of the Board of Street Commissioners:

	Square Feet.
<i>Charlestown.</i>	
Rutherford avenue, land on northeast side, occupied by city departments	29,445
<i>South Boston.</i>	
Gold street, land on the southwest side, between A street and the New York, New Haven & Hartford Railroad	1,100
<i>Dorchester.</i>	
Gibson street, land on north side. Rented to Public Works Department, Street Cleaning and Water Service Divisions, at \$300 a year .	25,090
Southern avenue, land on south side, between Bernard street and Elmhurst street	4,335
<i>West Roxbury.</i>	
Moreland street, land	30,421

• ENGINEERING DIVISION.

The work of the Engineering Division for the year ending December 31, 1930, has consisted of the making of such surveys and plans as have been required by the several city departments, and giving lines and grades for abutters intending to build.

One thousand ten orders were executed for the Public Works Department; these consisted of the staking out of new streets for construction, giving lines and grades for repairs and reconstruction of old streets, testing lines and grades after completion of work, measuring amount of work performed, and making plans showing the quantities to be assessed upon abutting owners. Among these orders were:

One hundred eighty-one plans of streets showing proposed locations for future catch-basins furnished Sewer Service.

Three hundred fifty-four catch-basins were staked out at request of Sewer Service and duplicate sketches were furnished showing the locations of spikes, ties, etc.

Measurements have been obtained for the Sewer Service for the purpose of making sewer assessments on fifty-two streets.

Four hundred fifty plans representing 154,825 linear feet of underground pipes, conduits, etc., examined for the Sewer Service and, when necessary, locations for proposed catch-basins marked on plans.

Two hundred three notices of contracts to lay artificial stone sidewalks on two hundred twenty streets were received, lines and grades marked, the work when completed was measured and reported upon to the Paving Service. In one hundred cases the Paving Service was notified that the existing edgestones should be reset to line and grade preparatory to the laying of artificial stone and on completion of the work edgestones were tested and reported upon.

Twenty notices of completion of repairs to artificial stone sidewalks were received, the work measured and reported upon to Central Office, Public Works Department.

Forty-five requests for edgestone on ninety streets were received, lines and grades marked, and measurement of amount of edgestones required was reported to Paving Service.

Four notices requesting that lines and grades be given were received from Park Department, acted upon, and, when necessary, sketches were furnished showing lines and grades.

Sidewalk grades were furnished to engineers and architects for twenty-five buildings on forty-two streets.

Plans were made for the Paving Service showing the estates, owners' names, and the quantities to be assessed on fifty-one streets. Five special reports were made on sidewalk assessments.

Two hundred forty-one estimates of the amount of damages caused by grade changes made during the construction of streets were furnished the Street Commissioners.

The lines and grades of twenty-two streets for which the Street Commissioners were petitioned for authority to open as private ways were examined and reported upon.

MEASUREMENTS OF PAVING WORK BY DISTRICTS FROM
JANUARY 1 TO DECEMBER 31, 1930.

DISTRICTS.	SQUARE YARDS ARTI- FICIAL STONE SIDEWALKS.			SQUARE YARDS ARTIFICIAL STONE DRIVEWAYS.		LINEAR FEET EDGESTONE.		SQUARE YARDS BLOCKSTONE GUTTERS.
			Back of Line.					
	New.	Old.	New.	New.	Old.	New.	Old.	Old.
Boston Proper.....	1,400	289	—	—	—	—	—	—
Roxbury.....	1,555	99	—	159	13	—	—	—
Dorchester.....	2,502	—	—	425	—	—	—	—
West Roxbury.....	1,645	131	—	188	—	34	—	—
South Boston.....	163	216	—	27	—	—	160	28
Brighton.....	980	69	—	51	—	—	—	—
Charlestown.....	—	—	—	—	—	—	—	—
East Boston.....	509	792	16	147	—	—	283	30
Hyde Park.....	176	263	—	34	9	—	—	—
Totals.....	8,930	1,859	16	1,031	22	34	443	58

MEASUREMENTS OF PAVING WORK BY MONTHS FROM
JANUARY 1 TO DECEMBER 31, 1930.

MONTHS.	SQUARE YARDS ARTI- FICIAL STONE SIDEWALKS.			SQUARE YARDS ARTIFICIAL STONE DRIVEWAYS.		LINEAR FEET EDGESTONE.		SQUARE YARDS BLOCKSTONE GUTTERS.
			Back of Line.					
	New.	Old.	New.	New.	Old.	New.	Old.	Old.
January.....	34	—	—	69	—	—	—	—
April.....	356	—	—	31	—	—	—	—
May.....	821	264	16	27	9	—	—	—
June.....	845	351	—	123	—	—	—	—
July.....	1,298	273	—	132	13	—	—	—
August.....	920	6	—	106	—	—	—	—
September.....	1,431	83	—	147	—	—	—	—
October.....	1,938	368	—	281	—	34	160	28
November.....	612	465	—	57	—	—	283	30
December.....	675	49	—	59	—	—	—	—
Totals.....	8,930	1,859	16	1,031	22	34	443	58

Eleven surveys and plans have been made for the Schoolhouse Commission of property taken for school-house purposes.

One hundred five plans of streets to be laid out, widened or altered, and estimated benefit plans have been made for the Board of Street Commissioners.

The most important plan was made for the widening of Centre street from South street to the Arborway.

Petitions for the registration of land in the Land Court are referred to the Mayor whenever the City of Boston is an interested party. These cases are examined by the Law Department and the Engineering Division of the Street Laying-Out Department for the purpose of protecting the city's interests. During the past year sixty-five such cases have been investigated.

There were one hundred seventy-five accident and other plans made for the Law Department.

Three thousand nine hundred twenty titles were examined and two thousand nine hundred seventy-five deeds and two hundred eighty plans copied from the Registry of Deeds.

Forty-five hundred blueprints have been made during the year.

Seventy-one plans of easement to be taken for sewerage works have been made during the year.

Twenty-six sewer takings have been staked out.

There are on file in this division forty-nine thousand three hundred thirty-five plans.

The following list gives the number of orders executed for property owners, builders and various municipal departments from January 1, 1930, to December 31, 1930.

Street lines given	380
Street grades given	345
Public Works Department:	
Highway Division	513
Sewer and Sanitary Division	468
Bridge and Ferry Division	21
Water Division	8
	— 1,010
Street Laying-Out Department	401
Law Department	175
Schoolhouse Department	27
Public Buildings Department	8
	—
<i>Carried forward</i>	2,346

<i>Brought forward</i>	2,346
Park Department	40
Wire Division, Fire Department	10
Police Department	17
Fire Department	5
Building Department	6
Hospital Department	20
	<u>2,444</u>

PLATTING OF NEW WAYS UNDER CHAPTER 323 OF THE
ACTS OF THE LEGISLATURE OF 1891 AND CHAPTER
393 OF THE ACTS OF THE LEGISLATURE OF 1906.

Plan 3.

(Dorchester District.)

On April 16, 1926, a public hearing was held on territory shown on sections W-71 and W-72, in relation to Verdun street, and the advisability of embodying it in a refiling.

The plan showing these changes has not yet been filed.

Plan 5.

(Dorchester District.)

On August 14, 1925, a public hearing was held on territory shown on sections numbered X-36, X-45, X-55 and X-56, in relation to Stratton street, and the advisability of embodying it in a refiling.

The plans showing these changes have not yet been filed.

Plan 6.

(Dorchester District.)

On March 6, 1925, a public hearing was held on territory shown on section numbered X-89 and X-99, in relation to Walk Hill street, and the advisability of embodying it in a refiling.

Plans showing these changes have not yet been filed.

Plan 8.

(Brighton District.)

On November 7, 1924, a public hearing was held on territory shown on sections numbered O-47, O-48, O-53, O-65, O-68, N-31, N-50, in relation to Lake

street, Radnor road, Kirkwood road and Scottfield road, and the advisability of embodying it in a refileing.

Changes were shown in green on O-65 and O-66, relating to Radnor road, and Kirkwood road, and these sections were refiled March 5, 1926.

On March 26, 1926, a public hearing was held on territory shown on sections numbered O-45, O-55 and O-56, in relation to Colwell avenue, Hatherly road, Portina road and Mertonia road, and the advisability of embodying it in a refileing.

The plans showing these changes have not yet been filed.

On April 16, 1926, a public hearing was held on territory shown on sections N-29 and N-30, in relation to Greylock road, and the advisability of embodying it in a refileing.

The plans showing these changes have not yet been filed.

On September 9, 1927, a public hearing was held on territory shown on sections numbered O-54 and O-55, in relation to Lane park, and the advisability of embodying it in a refileing.

The plans showing these changes have not yet been filed.

On December 9, 1927, a public hearing was held on territory shown on sections numbered O-54, O-55, O-66 and O-67, in relation to Seminary road, Gerald road and Gillard road, and the advisability of embodying it in a refileing.

The plans showing these changes have not yet been filed.

Plan 12.

(West Roxbury District.)

On August 24, 1925, a public hearing was held on territory shown on sections numbered X-30, X-31, X-32 and Y-21, in relation to Morton street, and the advisability of embodying it in a refileing.

The plans showing these changes have not yet been filed.

On July 19, 1929, a public hearing was held on territory shown on sections numbered Y-48 and Y-53, in relation to Arborough road, and the advisability of embodying it in a refileing.

The plans showing these changes were refiled December 30, 1930.

On December 6, 1929, a public hearing was held on territory shown on sections numbered Z-97, Cc-4 and Cc-5, in relation to Summit road, and the advisability of embodying it in a refiling.

The plans showing these changes were refiled February 6, 1930.

Plan 14.

(Dorchester District.)

On October 1, 1926, a public hearing was held on territory shown on section numbered W-10, in relation to Arcadia terrace, and the advisability of embodying it in a refiling.

The plan showing these changes has not yet been filed.

On September 28, 1928, a public hearing was held on territory shown on sections numbered X-82, X-83, X-84, X-97 and X-98, in relation to Milton avenue, Codman Hill avenue, Alteresko avenue and Nevada street, and the advisability of embodying it in a refiling.

The plans showing these changes have not yet been filed.

On December 21, 1928, a public hearing was held on territory shown on section numbered X-48, in relation to Donald road, and the advisability of embodying it in a refiling.

The plan showing these changes has not yet been filed.

On August 2, 1929, a public hearing was held on territory shown on sections numbered X-67 and X-68, in relation to Livingston street and Frontenac street, and the advisability of embodying it in a refiling.

The plans showing these changes were refiled July 1, 1930.

APPENDIX B.

MAGNETIC VARIATION.

The following table gives the number of tests for each year, with the average readings:

YEAR.	Number of Readings.	Average of Readings West of North.	YEAR.	Number of Readings.	Average of Readings West of North.
1871.....	9	10-53-46	1900.....	8	12-33-45
1872.....	8	11-09-47	1901.....	—	
1873.....	3	11-07-53	1902.....	13	12-44-44
1874.....	3	11-11-40	1903.....	8	12-43-42
1875.....	3	10-58-33	1904.....	4	12-48-45
1876.....	2	11-13-00	1905.....	12	12-56-42
1877.....	8	11-12-35	1906.....	6	13-19-20
1878.....	13	11-28-56	1907.....	8	13-16-35
1879.....	4	11-35-15	1908.....	12	13-27-05
1880.....	7	11-34-53	1909.....	9	13-30-46
1881.....	3	11-28-23	1910.....	10	13-35-30
1882.....	5	11-36-18	1911.....	8	13-41-45
1883.....	5	11-42-04	1912.....	12	13-50-00
1884.....	6	11-46-13	1913.....	12	13-58-10
1885.....	8	11-43-12	1914.....	7	14-02-08
1886.....	4	11-39-58	1915.....	2	14-10-00
1887.....	14	11-51-54	1916.....	12	14-10-30
1888.....	3	11-40-57	1917.....	10	14-32-06
1889.....	—		1918.....	10	14-35-00
1890.....	7	11-39-56	1919.....	9	14-39-57
1891.....	4	11-49-30	1920.....	11	14-29-22
1892.....	—		1921.....	5	14-33-36
1893.....	1	12-32-20	1922.....	7	14-43-34
1894.....	—		1923.....	3	14-40-00
1895.....	—		1924.....	5	14-40-42
1896.....	—		1925.....	3	14-45-30
1897.....	8	12-04-37	1926.....	3	15-30-00
1898.....	6	12-34-34	1927.....	4	15-22-30
1899.....	—		1928.....	7	15-10-00
			1929.....	10	15-26-06
			1930.....	6	15-36-30

THOMAS J. HURLEY,
JOHN J. O'CALLAGHAN,
CHARLES F. BOGAN,
Board of Street Commissioners.

JOSEPH F. SULLIVAN, *Secretary.*



ANNUAL REPORT
OF THE
SUPPLY DEPARTMENT
FOR THE YEAR 1930.

Boston, January 1, 1931.

HON. JAMES M. CURLEY,
Mayor of Boston.

SIR,— Complying with the Revised Ordinances of 1914, chapter 35, I herewith submit to you the report of the Supply Department for the year ending December 31, 1930.

I assumed the office of Acting Superintendent of Supplies on February 6, 1930, and was confirmed by the Civil Service Commission and sworn in as Superintendent of Supplies on February 26, 1930.

The year 1930 was a particularly good buying year, as practically all the bids were lower than the prices of the previous years.

I have been handicapped by the lack of records, as the system had been allowed to lapse because of the shortage of employees in the department. Two new clerks were provided in last year's budget, and a system started last September. A full year's records will not be available until September, 1931. I have, more or less, followed the system in operation when I assumed office. However, a few more items were consolidated and bought on a yearly plan, and the largest single saving was caused by the adoption of supplying oil to

the City Hospital by barge instead of trucks which had been the custom. This change resulted in a saving of approximately \$30,000 a year.

I have in mind further changes, but have talked to the chairman of the Finance Commission and feel it advisable that his department make a survey of the Supply Department, and set forth their recommendations. However, the Finance Commission has been busy with other departments, and to date has been unable to make an investigation of this department. Until such time as this survey is made, I deem it advisable to continue the present system.

I wish at this time to express to your Honor my deep appreciation for the support and assistance you have so generously given me during the past year and also express my gratitude to the employees of this department for their loyalty and efficient service.

PHILIP A. CHAPMAN,
Superintendent of Supplies.

ANNUAL REPORT OF THE SUPPLY DEPARTMENT FOR THE YEAR 1930.

[illegible]



ANNUAL REPORT
OF THE
BOSTON TRAFFIC COMMISSION
FOR THE YEAR 1930.

Boston, January 2, 1931.

HON. JAMES M. CURLEY,
Mayor of Boston.

DEAR MR. MAYOR,— In accordance with the Revised Ordinances the Boston Traffic Commission herewith submits its annual report for the year 1930.

AUTHORITY.

The Boston Traffic Commission became legally existent on April 30, 1929, when the Mayor and the City Council of Boston accepted the provisions of chapter 263, Acts of 1929. Under the provisions of this act, control of many traffic activities formerly exercised by various city departments was concentrated in this Commission.

Section 2 of the act reads as follows:

“The commission shall have exclusive authority, except as otherwise herein provided, to adopt, amend, alter and repeal rules and regulations, not inconsistent with general law as modified by this act, relative to street traffic in the city, and to the movement, stopping, or standing of vehicles on, and their exclusion from, all or any streets, ways, highways, roads and parkways, under the control of the city. . . .”

The exceptions constitute a vast volume of vehicular traffic. The Police Commissioner establishes taxi stands,

sightseeing auto stands; issues musicians' permits for parades, regulates hand-cars and establishes wagon stands, 4,000 of which were established during 1930, 2,560 of them being in downtown Boston.

A division of control over vehicular traffic is found in the authority of the Metropolitan District Commission which has jurisdiction over Embankment Road, Old Colony Parkway, Soldiers Field Parkway, West Roxbury Parkway and Stony Brook Parkway, embracing approximately 10 miles of roadways in Boston.

The State Department of Public Works has jurisdiction over Washington street, from approximately West Roxbury Parkway to the Boston-Dedham line.

Bus routes are established by the City Council.

The Board of Street Commissioners grants permits for parades, occupation of streets and sidewalks, jitney licenses; and designates streets where coasting is permitted.

The Public Works Department grants permits for street occupation, moving buildings in the street, driving cattle in the street, feeding horses in the street, raising and lowering machinery, and street openings.

EXPENDITURES.

On May 17, 1929, there were transferred to the commission seven employees of the Police Department, eighteen employees of the Street Laying-Out Department and ten employees of other city departments. The budget appropriation for 1929 was \$113,257.86 of which there was expended \$106,724.26.

The budget appropriation for 1930 was \$217,971.63 of which there was expended \$195,217.24, the unexpended balance being \$22,754.39. There was expended for personal service \$119,659.42, of which \$16,131.80 was for temporary employees, in detail as follows:

A- 1.	Permanent employees	.	.	.	.	\$103,527	62
A- 2.	Temporary employees	.	.	.	.	16,131	80
A- 3.	Unassigned	.	.	.	.	491	29
B- 1.	Printing and binding	.	.	.	.	2,479	80
B- 3.	Advertising and posting	.	.	.	.	1,354	10
B- 4.	Transportation of persons	.	.	.	.	837	79
B- 5.	Cartage and freight	.	.	.	.	92	76
B- 8.	Light, heat and power	.	.	.	.	9,811	29
B-13.	Communication	.	.	.	.	641	48

Carried forward \$135,367 93

<i>Brought forward</i>		\$135,367 93
B-14. Motor vehicle repairs and care		1,129 83
B-18. Cleaning		55 75
B-35. Fees, service of venires, etc.		35 50
B-37. Photographic and blueprinting		456 33
B-39. General plant		7,722 64
C- 1. Apparatus, cable, wire, etc.		886 50
C- 3. Electrical		1,775 41
C- 4. Motor vehicles		4,678 95
C- 7. Furniture and fittings		560 24
C- 9. Office		673 83
C-10. Library		54 65
C-13. Tools and instruments		1,192 55
C-16. Wearing apparel		12 86
C-17. General plant		27,825 87
D- 1. Office		2,390 98
D- 2. Food and ice		95 75
D- 8. Laundry, cleaning and toilet		47 24
D-11. Motor vehicle		2,907 28
E-10. Electrical		1,034 47
E-13. General plant		6,262 57
F-11. Workingmen's compensation		8 00
		<u>\$195,217 24</u>

TRAFFIC REGULATIONS.

The commission made a study of parking conditions in the central business district. It was found that parking of passenger vehicles during lengthy periods, in many cases during the entire day, was interfering with the conduct of business in this area. It was found necessary to adopt rules to prohibit parking in various streets in order that commercial vehicles could gain access to the curb that they might make deliveries to and receive merchandise from the adjoining building. Also to afford customers of business concerns an opportunity to reach the curb.

The total curb space in this area, without restrictions, would accommodate approximately 5,400 vehicles. Intersections, hydrants, taxi stands, etc., reduces this curb area to available space for approximately 2,700 cars. There is one garage in downtown Boston that accommodates almost this total number of cars. The total number of vehicles entering and leaving this area during a business day is approximately 120,000. It is apparent that the available curb space in the central business district will not permit parking of this num-

ber of vehicles. Necessary prohibition of parking has reduced the available space to accommodations for approximately 850 vehicles.

The wisdom accumulated by many years' experience and observation of the direction of municipal affairs was well illustrated in the decision of Mayor Curley with respect to alternate parking. Inward bound traffic to every city is heaviest in the morning and outward bound traffic in the afternoon. His Honor the Mayor suggested a plan of alternate parking on the principal streets leading to and from the city. The commission gave careful study to the plan and adopted a rule restricting parking in those thoroughfares. The object of the rule is to prohibit parking on the inward bound side during the forenoon and in the outward bound side during the afternoon.

The practical result of the rule is to expedite the movement of traffic by providing one additional lane which, in many cases, increases the capacity of the roadway by fifty per cent.

An analysis of all suggestions and recommendations for changes in the existing rules was made. The commission adopted 125 permanent traffic rules and 520 temporary rules. A thorough revision of existing rules was completed and new regulations were adopted which became effective on December 15, 1930. Printed copies of these rules have been distributed.

ACCIDENTS.

Deaths resulting from motor vehicle accidents have increased rapidly each year in the United States. To reduce this toll is one problem of traffic authority. In the Commonwealth of Massachusetts there has been a regrettable increase each year, the number of deaths during 1928 being 715; 1929, 777; 1930, 795. In these same years it is comforting to state that fatalities have decreased in the city of Boston, the figures being 132 during 1928, 116 in 1929 and 115 in 1930. The total number of accidents resulting in serious personal injury or death in Boston were 4,731 during 1928, 4,779 in 1929 and 4,648 in 1930.

Reports of deaths and serious personal injuries from motor vehicle accidents are submitted to this Commission each day by the Police Department. These reports are analyzed and indexed. Warning signs and traffic signals are being installed at intersections where the

accidents occur. An analysis of accidents occurring during 1930 reveals that 70 per cent of all accidents occurred at intersections. During the past four years there has been slight variation in this percentage. The decrease in the number of accidents during 1930 is accounted for entirely by the decrease in pedestrian accidents at intersections. There has been a slight increase in vehicular collisions resulting in personal injuries.

Although there was a decrease during the year of only one in the number of fatalities, it is encouraging to report that children's fatalities decreased by seven. The number of children, fifteen years of age or under, killed during 1930 was 23. In decided contrast to the general low accident record of this city, it is worthy of note that three children were killed while coasting during December, 1930. This Commission has no authority to designate coasting streets. If coasting is to be permitted in the streets of the city, vehicular traffic should be excluded from such streets.

It is gratifying to report that Boston occupies the position of having the least deaths per capita from motor vehicle accidents of any city in this country with a population of more than 250,000 persons. To appreciate the significance of this statement the figures compiled by the National Safety Council should be examined. The total automobile deaths for 1930 were:

In Boston, 111 = 14.1 to every 100,000 population.

In Chicago, 886 = 26.2 to every 100,000 population.

In Los Angeles, 413 = 33.4 to every 100,000 population.

The startling figures showing the heavy death rates in other cities in comparison with the fatalities in Boston, fairly warrant the assertion that the Traffic Commission of Boston has accomplished a great deal during its brief existence.

SIGNS.

There were erected 3,126 permanent signs of different types in various districts of the city. This includes 181 school zone signs and 247 warning signs at intersections. Signs are being erected at all schools in this city. There were also erected 1,921 temporary signs. It is the policy of this Commission to eliminate as soon as possible the objectionable portable signs that have been placed during past years. During 1930 there were 1,070 permanent posts erected, most of these

replacing portable signs. This Department is now maintaining 3,850 traffic signs. The ordinary painted warning sign formerly used at dangerous intersections is being replaced by reflector button signs which are visible at night.

MARKINGS.

This Department maintains a temporary crew of painters who are employed during the season of good weather, painting the roadways in the night hours. There were painted 980 crosswalks, approximately 11 miles; 487 center lines, approximately 15 miles in length and 787 stop lines, approximately 8 miles. The total amount of roadway painting is approximately 34 miles. Crosswalks have been painted in the vicinity of all schools.

SPOTLIGHTS.

This Commission maintains 154 traffic officers' spotlights. At locations where traffic signals are installed, spotlights are removed. There are many locations where traffic officers are stationed and where spotlights have been requested by the Police Department. This Commission has removed 10 spotlights during 1930 and reinstalled them at locations designated by the Police Department. There are 18 additional spotlights to be relocated, mostly in the downtown area where their removal will add considerably to the passable sidewalk area.

SIGNALS.

The matter of installation of automatic traffic signals at dangerous and congested intersections is receiving diligent study. The cost of the installation of such signals is completely warranted by the reduction, and in many cases, the entire elimination of accidents and deaths. At suburban intersections where traffic is heavy, it has been the custom to assign two police officers to such intersections. There has also been installed a spotlight and one, or possibly two, flashing beacons. The cost of installation of a spotlight and two flashing beacons is approximately \$1,000. The cost of maintenance is approximately \$100 per annum. A signal may be installed at the average intersection for approximately \$3,000 and the cost of maintenance and operation is approximately \$150 per annum. Adding the salaries of police officers to the maintenance costs of

spotlights and beacons, it is readily apparent that the installation of automatic traffic signals, while providing control and protection during the entire day and night, results in considerable financial saving to the city.

DOWNTOWN SIGNALS.

An interconnected system of automatic traffic signal lights in the congested downtown area was completed on July 20, 1930, including the installation of a control station at City Hall Annex. The appropriation for this work was \$130,000 and the expenditure was \$104,542.05, leaving an unexpended balance in an amount of \$25,457.95. All equipment was designed with the view of extending this system throughout the downtown area. There are forty-one intersections signalized and the total cost of operation of these signals is approximately \$4,000 per annum.

The most efficient type of signal system is called a flexible, progressive system. This type of system may be readily installed in an area with a rectangular street lay-out. It accomplishes an uninterrupted movement of vehicles in all directions where block lengths are even. The timing of such a system in this city with its uneven street widths and uneven block lengths was a pioneering effort in engineering work.

Complications local to Boston and unknown in other cities, such as irregular right and left turns and alleyway intersections, increased the engineering difficulties. The situation, being carefully analyzed, the decision was reached, that this type of control would be effective and results have sustained the decision of the Engineering Department.

This department designed the apparatus and equipment for the central control board in City Hall Annex, which operates all of the signals in downtown Boston and accomplishes the necessary coordination of timing in this area. This is the first completely automatic traffic control station ever designed and constructed. The apparatus and cable have been designed and installed to accommodate the extension of this system to all sections in downtown Boston where signals may be installed in the future.

During the past five years at some time during the months of November and December, usually on Saturdays, a complete stagnation of traffic existed in downtown Boston.

During November and December, 1930, this condition was eliminated, due to the operation of the signals. The success of this system under the most trying physical conditions has drawn a number of traffic officials from various parts of the country to this city for purposes of inspection. They are unanimous in their praise of the design and efficiency of these signals.

SUBURBAN SIGNALS.

An appropriation amounting to \$100,000 was available for the installation of automatic signals in suburban sections. This Commission has placed in operation signals at 8 intersections and has awarded contracts for the installation of signals at 7 additional intersections, this work to be completed during January, 1931. Plans are completed for the installation of signals at 20 additional intersections to be paid for out of this appropriation. Total obligations on December 31, 1930, amounted to \$43,696.79, leaving a balance available amounting to \$56,303.21. The intersections to be signalized have been selected by analysis of accidents and traffic volume.

MASSACHUSETTS AVENUE SIGNALS.

An appropriation of \$125,000 is available for the installation of automatic traffic signals in Massachusetts avenue, from Harvard Bridge to Tremont street. Contracts have been awarded for the installation of these signals and it is expected they will be in operation during May, 1931. The estimated cost of this installation is \$92,000. This includes a control station to be installed in Fire Alarm Headquarters Building in the Fenway. All equipment has been designed to accommodate the extension of this system throughout the Back Bay-South End district.

COMMONWEALTH AVENUE SIGNALS.

An appropriation in an amount of \$125,000 is available for the installation of automatic traffic signals in Commonwealth avenue, from Arlington street to Governor square. Plans have been completed for this installation, the system to be operated from the control station in Fire Alarm Headquarters Building.

INVESTIGATIONS.

Various investigations and studies have been made. A majority resulted from complaints received in correspondence. Fifty-nine parking studies were made and 1,770,301 vehicles were counted at 115 intersections. Seventy-six miscellaneous investigations were made, including street car movements, pedestrian counts, speed and obstruction studies and commercial vehicle counts.

PERMITS.

Three thousand one hundred permits were granted to commercial vehicles to back to the curb. Six hundred three loading zone permits were granted establishing no parking areas in front of shipping doors and building entrances. One hundred eighty-four permits were granted for special emergency purposes, mostly to permit commercial vehicles to stand in restricted streets for purposes of loading and unloading.

MAINTENANCE.

This Department maintains 49 automatic traffic signals; one manually-operated traffic signal; 120 flashing beacons; 154 traffic officers' spotlights, and 3,850 traffic signs.

During the year damages to this equipment caused by motorists amounted to \$1,418.01. Bills for the collection of this sum have been submitted to the City Collector and the Law Department. There has been paid \$286.06 on this account.

Yours very truly,

JOSEPH A. CONRY,
Commissioner.

EUGENE C. HULTMAN,
JOSEPH A. ROURKE,
WILLIAM P. LONG,
THOMAS J. HURLEY,
Associate Commissioners.





ANNUAL REPORT
OF THE
TRANSIT DEPARTMENT
FOR THE YEAR ENDING DECEMBER 31, 1930.

1 BEACON STREET, BOSTON, MASS., January 1, 1931.

To the Mayor and City Council of the City of Boston:

The Transit Department submits the following report for the year ending December 31, 1930.

GOVERNOR SQUARE EXTENSION OF THE BOYLSTON STREET
SUBWAY.

The Legislature of this year passed Chapter 394 providing for an extension of the Boylston Street Subway at Governor Square. This Act was in the nature of an amendment of Chapter 341 of the Acts of 1925.

For many years, traffic conditions at Governor Square had been the subject of vigorous discussion, but it was not until 1925 that the Legislature passed Chapter 341 of that year which provided for the elimination of the crossing at grade at this point and the extension therefrom of the present Boylston Street Subway, continuing out Commonwealth Avenue and Beacon Street. Following the passage of this legislation, many engineering studies and plans were prepared to effect the change. Nothing came of it, however, by reason of the fact that the directors of the Boston Elevated Railway Company did not accept the Act, as required. Their objection was based largely on the financial features of the Act insofar as they referred to the rental provisions.

Under this Act of 1925, it was provided that the company should pay a rental at the rate of four and one-half per cent per annum upon the net cost of the extension with a further stipulation that the annual rental should be sufficient to provide an amount equal to one-half of one per cent of said net cost in addition to the annual amount of interest on the bonds issued to pay for such net cost, but not less than said four and one-half per cent on the net cost in any event.

The Boston Elevated Railway Company took the position that unlike all existing Boston subways, the conditions at Governor Square were not created primarily by street railway transportation operation, but were to a large extent the result of automobile traffic, and for this reason, insisted that in the fixing of a rental rate, this situation should be kept in mind. Various suggestions were made to bring about an agreement, but without success, until the present year when Chapter 394 was passed. Under the provisions of Chapter 394, a definite amount, namely; \$3,100,000, was established as the net cost upon which the Boston Elevated Railway Company would be called upon to pay rental, and the rental was fixed at a figure which would be sufficient to provide an amount equal to one-half of one per cent of this net cost, in addition to the annual amount of interest on the bonds issued, but in no case should the rental be less than a four and one-half per cent rate. It was provided, however, that such rental should be payable by the Elevated Company in any year only if and to the extent that the reserve fund provided for in the Public Control Act of 1918 exceeded on the last day of each June, during the term of the lease, the amount originally established, and if the company did not make such full rental payment, the City of Boston would pay out of its tax levy one-half of the deficit, and the Commonwealth would assume and pay over to the City of Boston the other half obtained by assessment of such amount on the cities and towns comprising the Boston Elevated district as provided in the Public Control Act.

A further important change was made in the Act of this year, wherein it was permitted that the work could be carried out by the day labor forces of the department, thus following the method employed in the building of the Maverick Square Station of the East Boston Tunnel in 1921. At that time, the President of the United States asked public authorities to help relieve the unemployment situation and in particular afford an

opportunity to men who had lost continuity of their employment by serving in the World War, and in response to this request, employment was given to approximately 1,700 war veterans in the building of the Maverick Square Station, a project constructed efficiently and economically — a tribute to the resourcefulness and skill of our citizen labor.

Similarly, in this project at Governor Square, His Honor Mayor Curley petitioned that permission be made in the bill for construction by day labor forces, and this suggestion was adopted by the Legislature. In this connection, it is interesting to note that the work thus far is progressing most satisfactorily and well within the engineers' estimate of costs.

Chapter 394 of the Acts of this year, shown as Appendix A in this report, was approved by His Excellency, the Governor, on May 28, passed by the City Council on June 2, approved by His Honor Mayor Curley on June 3, and accepted by the Board of Directors of the Boston Elevated Railway Company on June 3. On June 12, plan numbered 17134, prepared by this department, showing the proposed alterations and extensions, was agreed to by representatives of the Boston Elevated Railway Company and approved for submission to the Department of Public Utilities of the Commonwealth, in accordance with the provisions of the Act, and after hearing was approved by that department on June 19. The contract (see Appendix B) for the use of the premises was executed by the City and by the Boston Elevated Railway on June 30, and the actual work of construction was begun by His Honor Mayor Curley on July 21.

The work to be done under plan numbered 17134 provided for an extension of the subway from Governor Square out Beacon Street to about 200 feet east of the bridge over the tracks of the Boston & Albany Railroad, and out Commonwealth Avenue to about 200 feet east of Blandford Street, and the cost of this work for rental purposes was limited to \$3,100,000.

His Honor Mayor Curley advocated strongly at that time that the Beacon Street Extension be carried to St. Mary's Street but this could not be done in view of the limit of cost fixed by the Legislature. However, following a number of conferences with representatives of the Boston Elevated Railway, a further extension was agreed upon which will bring the Beacon Street Extension to a point west of Audubon Road and will provide that the incline leading therefrom shall reach the

surface of the street at a point approximately 30 feet west from the westerly side line of St. Mary's Street, the agreement further providing that the cost of \$3,100,000, as originally limited, should be increased by the sum of \$1,835,000 thereby fixing a new limit of \$4,935,000 for the entire extension.

The necessary approvals required on the part of the Department of Public Utilities and of the City and the Boston Elevated Railway Company were secured, and the work will now be constructed in accordance with the plan originally urged by this department.

The removal of the surface tracks in Governor Square will not only benefit the one hundred thousand daily passengers on the trolley cars who have been subject to constant and irritating delays at this intersection, but will also make possible a more flexible handling of motor car traffic entering and leaving the City. Underpasses will permit the use of the station from entrances in the sidewalks and allow free passage to pedestrians crossing the street.

This extension has been laid out in such a way as to make it possible to adapt the Boylston Street Subway to rapid transit development of the future.

EAST BOSTON VEHICULAR TUNNEL.

This department in its previous report stated, "No work of construction under the approved plans [plans numbered T. T. 8-9-10] was commenced in view of the request of His Honor the Mayor [Malcolm E. Nichols] for the modification of the plans in accordance with the suggestions of a conference committee which had been appointed by him."

On January 2 the department abandoned plans numbered T. T. 8-9-10 and prepared plans numbered T. T. 15-16-17 containing the modifications suggested by the conference committee and submitted these plans to His Honor Mayor Nichols for approval and his approval was given.

Construction of the tunnel, however, did not proceed immediately for the reason that early in January His Honor Mayor Curley, upon the insistence of advocates of a bridge in place of a tunnel, called a conference to consider the advisability of the bridge suggestion. This conference was attended by the Division of Metropolitan Planning, the City Planning Board, the Finance Commission and the Transit Department. This department expressed strong objection to the substitution

of a bridge for a tunnel and particularly stressed the difficulty of obtaining from the War Department the necessary approval of a bridge calling for a clearance less than that which would project the Boston end of the bridge into the very heart of the business section of the city. To determine the question of clearance, His Honor Mayor Curley directed this department to communicate with the Federal Authorities.

For the purpose of settling the merits of the tunnel-bridge controversy raised at the conference, His Honor Mayor Curley petitioned the Legislature for authority to amend the tunnel act by providing for a tunnel or bridge in the alternative, and in order that no time might be lost in the event that the bridge suggestion were eliminated, instructed this department to proceed with its tunnel plans.

The Legislature declined to consider the proposed amendment, whereupon His Honor Mayor Curley immediately expressed his preference for the tunnel location plan, identified as "Route D", originally presented by this department, and on April 16, the department voted that the location as shown on plans numbered T. T. 15-16-17 be abandoned and that the location of the tunnel as shown on plan numbered T. T. 20 be approved. On the following day this plan was submitted to His Honor Mayor Curley and approved by him.

The necessary permit on the part of the Department of Public Works of the Commonwealth was issued on May 6 and approved by His Excellency the Governor and Council on May 7, and the permit from the Federal Government was issued through the Secretary of War on May 8, 1930.

The land required for the entrances, approaches, ventilating plants, shafts and the right of way of the tunnel has been acquired by eminent domain and awards for damages therefor made by this department, such land takings involving about 225 parcels. Approximately 75% of the awards made for the takings in the vicinity of Dock Square, North Street and Hanover Street for the Boston approach of the tunnel have been accepted by the former owners, and of the takings made for the East Boston entrance and approach, over 60% of the awards have been accepted and about 20% of the remainder are in process of settlement.

The greater number of the buildings taken for the approach and shaft on the East Boston side have been razed and it is expected that the actual construction work on the tunnel will

commence early in the coming year. It is now being planned to advertise for bids in the early part of the coming March.

The appropriation fixed by the Legislature, namely; \$16,000,000, is the largest in the history of the city for a single project of this character and it is estimated that of this amount about \$11,000,000 will be expended for construction and equipment.

ORGANIZATION OF COMMISSION.

On June 26, James B. Noyes resigned as Transit Commissioner and was succeeded by Arthur B. Corbett. Mr. Noyes had served for many years as a member of the Transit Department and of its predecessor, the Transit Commission, and upon his resignation the following was ordered placed upon the records of the department:

"James B. Noyes served as a member of the Boston Transit Commission, the immediate predecessor of the Transit Department, from July 15, 1909, to June 30, 1918, when the term of the Boston Transit Commission expired by limitation and its powers and duties were transferred to the Transit Department of the City of Boston.

He was appointed a commissioner of the Transit Department on July 6, 1926, and remained in that position until his resignation on June 26, 1930.

The Board desires to record this expression of its appreciation of a public service performed for nearly thirteen years in the planning and constructing of the tunnel and subway system of Boston.

In the many varied and complicated problems which have presented themselves in our work, his high order of intelligence, prudent advice and sound judgment have been of unquestionable value to his colleagues.

He brought to the discharge of his duties the virtues of honesty, integrity and dignity, which found expression in the promotion of the interests of the public, and commanded our esteem.

Our genuine regret at his going does not prevent us from wishing him the fullest measure of health, happiness and success."

DORCHESTER TUNNEL.

The department gave its approval to the Boston Elevated Railway Company, as lessee of the Dorchester Tunnel, for alterations in the Summer Street Lobby of the Dorchester Tunnel in connection with an opening between the tunnel lobby and the basement of the Jordan Marsh Company, by

which direct entrance is provided from the Jordan Marsh Store to the Summer Station of the Dorchester Tunnel as well as show windows looking on to the station platform.

DORCHESTER RAPID TRANSIT.

A stairway and platform at Butler Street on the Dorchester Rapid Transit High Speed trolley line was authorized by the department at an estimated cost of \$13,695.

Repairs consisting of repainting the old steel work and replanking the bridge which carries Adams Street over the Dorchester Rapid Transit Extension tracks have been started by the department and the work of providing an additional platform for a stop at Capen Street on the High Speed trolley line was undertaken.

Canopies over the platforms at Valley Road, Central Avenue, Milton and Cedar Grove Stations have been provided.

BOYLSTON STREET SUBWAY.

At the request of the Boston Elevated Railway Company, the department constructed a sub-station in the rear of the Massachusetts Station between the subway walls and the Boston and Albany Railroad.

This sub-station was built on land originally taken by the city for the Boylston Street Subway and was included as part of the cost of that subway. In accordance with the terms of the Boylston Street Subway Act, the value of land taken therefor and no longer needed for the purposes of a subway was credited against the cost of the subway for the purpose of determining the rental to be paid by the Elevated Company and in the case of this sub-station, the amount of the credit heretofore allowed to the company was reduced by the sum of \$15,000. The estimated cost of erecting the sub-station was \$25,000.

DIVISION OF METROPOLITAN PLANNING.

Under the provisions of Chapter 399 of the Acts of 1923 establishing the Division of Metropolitan Planning, it is provided that of the seven commissioners, one should be an officer of the Transit Department to be designated from time to time by the Chairman thereof.

Upon the resignation of Commissioner James B. Noyes, the Chairman designated Commissioner Arthur B. Corbett to serve thereon.

METROPOLITAN TRANSIT COUNCIL.

The first meeting of the Metropolitan Transit Council, established under the provisions of Chapter 383 of the Acts of 1929, was held in the Office of the Mayor of Boston on December 16.

The organization of the council at this meeting was effected by the choice of James M. Curley, Mayor of Boston, as Chairman, and of Edward H. Larkin, Mayor of Medford, as Secretary.

The Metropolitan Transit Council consists of the Mayors and the Chairmen of the Boards of Selectmen of the cities and towns of the district created under the Act and is made up of the following cities and towns—Arlington, Belmont, Boston, Brookline, Cambridge, Chelsea, Everett, Malden, Medford, Milton, Newton, Revere, Somerville and Watertown. The act further provides that each mayor and each chairman of a board of selectmen shall have one vote for each \$100,000,000, or fraction thereof, of the amount of property as last previously established by the Legislature for their respective cities and towns as a basis of apportionment for state and county taxes, and action shall be only by a two-thirds vote of the total number of votes so authorized. On this basis, of the total number of 40 votes in the Council, Boston is credited with twenty-two, Cambridge three, Brookline, Newton and Somerville two each; the remaining members one each.

Following the business of organization, a report submitted by the Trustees of the Metropolitan Transit District was considered, the recommendations offered in that report being confined to such portions of the Metropolitan Transit District as were in the opinion of the Trustees in greatest need of relief.

The Trustees recommended that the Council petition for legislation granting to the District authority to construct two new Rapid Transit Routes—these routes being designated as Route 1 and Route 2.

Route 1 was described as beginning at or near the junction of South Huntington and Huntington Avenues and following the general line of Huntington Avenue to Stuart Street, thence along Stuart Street to Columbus Avenue, thence along Columbus Avenue and under the Common to a new station to be constructed near the present Park Street Station, thence under Beacon Hill to a connection with the East Boston Tunnel at

Bowdoin Square, thence via the present East Boston Tunnel to Maverick Square, and thence by new construction to a terminal at or near Day Square, East Boston, with provision for a future connection with the Boston, Revere Beach & Lynn Railroad.

Route 2 was described as beginning in the Brighton section of the City west of Harvard Avenue and in general to follow the line of Commonwealth Avenue to Governor Square, thence via the present Boylston Street and Tremont Street subways to a point on Canal Street near the North Station, thence via the present elevated structure and viaduct to Lechmere Square, and thence by new construction along the general line of the Boston and Maine Railroad through Winter Hill and Davis Square to a terminal in North Cambridge or Arlington.

The further recommendation of the Trustees was that the two routes should be constructed in their entirety at the earliest possible date, recognizing, however, that a program as extensive as this could not be carried out immediately, but must be spread over several years. It was the belief of the Trustees that legislation should provide for construction in sections as the Trustees of the district should determine.

The Trustees further recommended that the Metropolitan Transit District be authorized to acquire the Chelsea Division of the Eastern Massachusetts Street Railway either by purchase or by eminent domain.

Action by the Metropolitan Transit Council on these recommendations was postponed until December 22 at which meeting the Council went on record in favor of the legislation as submitted by the Trustees, the vote being in the form of approval of the findings and recommendations of the Trustees contained in its report to the Council on December 12, with a request that the same be submitted to the Legislature together with a bill to carry out the recommendations therein presented.

CHARLES STREET STATION OF THE CAMBRIDGE SUBWAY.

Chapter 444 of the Acts of 1924 authorized an additional station on the Cambridge Subway to be located at or near the junction of Cambridge and Charles Streets, and to be constructed by the Department of Public Utilities of the Commonwealth. The Act further provided that the Department of Public Utilities might arrange to have the Transit Department make the plans for and take charge of the work.

Under this provision and at the request of the Department of Public Utilities, the Transit Department prepared plans and specifications, but no work of construction was undertaken for the reason that the Department of Public Utilities ordered that the work cease as the appropriation fixed by the Legislature was insufficient to permit construction of the station in a manner satisfactory to the Boston Elevated Railway Company, Lessee of the subway.

During the past year, however, an agreement has been reached with the trustees and directors of the Boston Elevated Railway for the construction of a station at this location, the estimated cost of which is \$350,000, and now awaits the approval of the Department of Public Utilities.

This station will provide rapid transit facilities to a section of the city now most difficult of access, and will especially benefit those members of the community who are called upon to visit the great hospitals of this district.

SINKING FUNDS.

The following is the condition of the debt and of the sinking funds for the various divisions of the work of the department at the date of this report, as stated by the City Treasurer:

SUBWAY (INCLUDING ALTERATIONS).

(Debt, \$4,416,000, outside debt limit.)

Amount of fund January 1, 1930	.	.	.	.	.	\$3,417,310 29
Received:						
Interest on bank deposits January 1, 1930						
to date	.	.	.	.	.	\$1,273 38
Interest on investments January 1, 1930						
to date	.	.	.	.	.	132,970 00
Revenue, etc., January 1, 1930 to date	.					545 00
						134,788 38
						\$3,552,098 67

CHARLESTOWN BRIDGE, No. 1.

(Debt, \$750,000, inside debt limit.)

Amount of fund January 1, 1930	.	.	.	.	.	\$575,424 12
Received:						
Interest on bank deposits January 1, 1930						
to date	.	.	.	.	.	\$502 88
Carried forward	.	.	.	.	.	\$502 88
						\$575,424 12

<i>Brought forward</i>	\$502 88	\$575,424 12
Interest on investments January 1, 1930		
to date	22,440 00	
Revenue, etc., January 1, 1930 to date .	7,228 31	
Appreciation of investments January		
1, 1930 to date	1,100 80	
Appropriation for debt January 1, 1930		
to date	329 00	
		31,600 99
		\$607,025 11
Paid:		
Interest on investments purchased January		
1, 1930 to date		71 11
		<u>\$606,954 00</u>

CHARLESTOWN BRIDGE, No. 2.

(Debt, \$665,000, outside debt limit.)

Amount of fund January 1, 1930	\$627,537 88
Received:	
Interest on bank deposits January 1, 1930	
to date	\$421 95
Interest on investments January 1, 1930	
to date	24,390 00
	24,811 95
	<u>\$652,349 83</u>

BOSTON TUNNEL AND SUBWAY.

(Debt, \$8,370,700, outside debt limit.)

Amount of fund January 1, 1930	\$3,656,794 87
Received:	
Interest on bank deposits January 1, 1930	
to date	\$2,455 52
Interest on investments January 1, 1930	
to date	143,242 26
Revenue, etc., January 1, 1930 to date .	63,907 00
	209,604 78
	\$3,866,399 65
Paid:	
Interest on investments purchased January	
1, 1930 to date	\$1,881 79
Premium on investments purchased Janu-	
ary 1, 1930 to date	8,020 46
	9,902 25
	<u>\$3,856,497 40</u>

BOYLSTON STREET SUBWAY.

(Debt, \$5,423,000, outside debt limit.)

Amount of fund January 1, 1930	\$136,510 53
Received:	
Interest on bank deposits January 1, 1930	
to date	\$618 79
Interest on investments January 1, 1930	
to date	4,802 50
Revenue, etc., January 1, 1930 to date	27,157 59
	32,578 88
	<u>\$169,089 41</u>

CAMBRIDGE CONNECTION.

(Debt, \$1,648,000, outside debt limit.)

Amount of fund January 1, 1930	\$419,754 51
Received:	
Interest on bank deposits January 1, 1930	
to date	\$669 21
Interest on investments January 1, 1930	
to date	16,615 00
Revenue, etc., January 1, 1930 to date	15,139 00
	32,423 21
	<u>\$452,177 72</u>

DORCHESTER TUNNEL.

(Debt, \$12,150,000, outside debt limit.)

Amount of fund January 1, 1930	\$639,229 66
Received:	
Interest on bank deposits January 1, 1930	
to date	\$1,482 85
Interest on investments January 1, 1930	
to date	24,695 00
Revenue, etc., January 1, 1930 to date	81,602 79
	107,780 64
	<u>\$747,010 30</u>

EAST BOSTON TUNNEL.

(Debt, \$3,334,000, outside debt limit.)

Amount of fund January 1, 1930	\$1,977,374 47
Received:	
Interest on bank deposits January 1, 1930	
to date	\$849 40
Interest on investments January 1, 1930	
to date	74,562 50
Revenue, etc., January 1, 1930 to date	5,912 00
	81,323 90
<i>Carried forward</i>	<u>\$2,058,698 37</u>

<i>Brought forward</i>		\$2,058,698 37
Paid:		
Interest on investments purchased January 1, 1930 to date	\$534 38	
Premium on investments purchased January 1, 1930 to date	1,063 55	
	<u>1,597 93</u>	
		<u>\$2,057,100 44</u>

EAST BOSTON TUNNEL ALTERATIONS.

(Debt \$3,900,000, outside debt limit.)

Amount of fund January 1, 1930		\$78,946 47
Received:		
Interest on bank deposits January 1, 1930 to date	\$669 61	
Interest on investments January 1, 1930 to date	1,932 50	
Revenue, etc., January 1, 1930 to date	10,128 96	
	<u>12,731 07</u>	
		<u>\$91,677 54</u>

EAST BOSTON TUNNEL EXTENSION.

(Debt, \$2,500,000, outside debt limit.)

Amount of fund January 1, 1930		\$243,884 23
Received:		
Interest on bank deposits January 1, 1930 to date	\$585 86	
Interest on investments January 1, 1930 to date	9,066 00	
Revenue, etc., January 1, 1930 to date	5,197 13	
Appreciation of investments January 1, 1930 to date	825 60	
	<u>15,674 59</u>	
		\$259,558 82
Paid:		
Interest on investments purchased January 1, 1930 to date	53 34	
	<u>\$259,505 48</u>	

ARLINGTON STATION.

(Debt, \$1,238,000, outside debt limit.)

Amount of fund January 1, 1930		\$10,698 45
Received:		
Interest on bank deposits January 1, 1930 to date	\$78 72	
Interest on investments January 1, 1930 to date	320 00	
	<u>398 72</u>	
		<u>\$11,097 17</u>

HYDE PARK STREET RAILWAY.

(Debt, \$322,000, outside debt limit.)

Amount of fund January 1, 1930	\$54,311 00	
Received:		
Interest on bank deposits January 1, 1930		
to date	\$225 77	
Interest on investments January 1, 1930		
to date	1,457 50	
Appropriation for debt January 1, 1930		
to date	8,486 00	
		10,169 27
		<u>\$64,480 27</u>

DORCHESTER RAPID TRANSIT.

(Debt, \$10,660,000, outside debt limit.)

Amount of fund January 1, 1930	—
Received:	
Revenue, etc., January 1, 1930 to date	<u>\$44,904 59</u>

TREMONT STREET SUBWAY ALTERATIONS — ACTS 1924 — CHAPTER 120.

(Debt, \$65,000, outside debt limit.)

(No Fund.)

BOYLSTON STREET SUBWAY — ACTS 1930 — CHAPTER 394.

(Debt, \$700,000, outside debt limit.)

(No Fund.)

TRAFFIC TUNNEL.

(Debt, \$4,050,000, outside debt limit.)

(No Fund.)

EAST BOSTON TUNNEL ALTERATIONS — ACTS 1924 — CHAPTER 120.

(Debt \$20,000, outside debt limit.)

(No Fund.)

RENTAL BILLS RENDERED TO THE BOSTON
ELEVATED RAILWAY COMPANY.

The following is a statement of the bills rendered for rental of the various tunnels and subways:

TREMONT STREET SUBWAY.

March 31, 1930:		
Net cost of subway	\$4,157,026 48	
Rental for one quarter		\$46,766 55
Alterations: net cost	242,673 93	
Rental for one quarter		2,730 08
June 30, 1930:		
Net cost of subway	4,159,473 61	
Rental for one quarter		46,794 08
Carried forward		<u>\$96,290 71.</u>

<i>Brought forward</i>		\$96,290 71
Alterations: net cost	\$242,673 93	
Rental for one quarter		2,730 08
September 30, 1930:		
Net cost of subway	4,160,284 32	
Rental for one quarter		46,803 20
Alterations: net cost	242,673 93	
Rental for one quarter		2,730 08
December 31, 1930:		
Net cost of subway	4,160,859 65	
Rental for one quarter		46,809 67
Alterations: net cost	242,673 93	
Rental for one quarter		2,730 08
Total		<u>\$198,093 82</u>

WASHINGTON STREET TUNNEL.

March 31, 1930:		
Net cost of tunnel	\$7,946,250 32	
Rental for one quarter		\$89,395 32
June 30, 1930:		
Net cost of tunnel	7,946,544 54	
Rental for one quarter		89,398 63
September 30, 1930:		
Net cost of tunnel	7,946,608 35	
Rental for one quarter		89,399 35
December 31, 1930:		
Net cost of tunnel	7,946,614 49	
Rental for one quarter		89,399 41
Total		<u>\$357,592 71</u>

CAMBRIDGE CONNECTION.

March 31, 1930:		
Net cost of connection	\$1,652,035 02	
Rental for one quarter		\$20,134 18
June 30, 1930:		
Net cost of connection	1,652,209 43	
Rental for one quarter		20,136 30
September 30, 1930:		
Net cost of connection	1,652,371 93	
Rental for one quarter		20,138 28
December 31, 1930:		
Net cost of connection	1,652,624 16	
Rental for one quarter		20,141 36
Total		<u>\$80,550 12</u>

BOYLSTON STREET SUBWAY.

March 31, 1930:		
Net cost of subway	\$5,269,583 84	
Rental for one quarter		\$59,282 82
June 30, 1930:		
Net cost of subway	5,284,860 66	
Rental for one quarter		59,454 68
September 30, 1930:		
Net cost of subway	5,290,927 84	
Rental for one quarter		59,522 94
December 31, 1930:		
Net cost of subway	5,293,765 88	
Rental for one quarter		59,554 87
Total		<u>\$237,815 31</u>

EAST BOSTON TUNNEL EXTENSION.

March 31, 1930:					
Net cost of extension	.	.	.	.	\$2,342,728 13
Rental for one quarter	.	.	.	.	\$26,355 69
June 30, 1930:					
Net cost of extension	.	.	.	.	2,342,961 79
Rental for one quarter	.	.	.	.	26,358 32
September 30, 1930:					
Net cost of extension	.	.	.	.	2,343,408 51
Rental for one quarter	.	.	.	.	26,363 35
December 31, 1930:					
Net cost of extension	.	.	.	.	2,343,942 75
Rental for one quarter	.	.	.	.	26,369 36
Total	.	.	.	.	<u>\$105,446 72</u>

EAST BOSTON TUNNEL.

March 31, 1930:					
Net cost of tunnel	.	.	.	.	\$3,398,988 91
Rental for one quarter	.	.	.	.	\$38,238 63
June 30, 1930:					
Net cost of tunnel	.	.	.	.	3,399,638 04
Rental for one quarter	.	.	.	.	38,245 93
September 30, 1930:					
Net cost of tunnel	.	.	.	.	3,400,092 61
Rental for one quarter	.	.	.	.	38,251 04
December 31, 1930:					
Net cost of tunnel	.	.	.	.	3,400,169 61
Rental for one quarter	.	.	.	.	38,251 91
Total	.	.	.	.	<u>\$152,987 51</u>

HYDE PARK STREET RAILWAY.

March 31, 1930:					
Net cost of premises	.	.	.	.	\$231,099 45
Rental for one quarter	.	.	.	.	\$2,599 87
June 30, 1930:					
Net cost of premises	.	.	.	.	231,099 45
Rental for one quarter	.	.	.	.	2,599 87
September 30, 1930:					
Net cost of premises	.	.	.	.	230,799 45
Rental for one quarter	.	.	.	.	2,596 49
December 31, 1930:					
Net cost of premises	.	.	.	.	231,099 45
Rental for one quarter	.	.	.	.	2,599 87
Total	.	.	.	.	<u>\$10,396 10</u>

DORCHESTER TUNNEL.

March 31, 1930:					
Net cost of tunnel	.	.	.	.	\$12,167,758 44
Rental for one quarter	.	.	.	.	\$136,887 28
June 30, 1930:					
Net cost of tunnel	.	.	.	.	12,193,562 38
Rental for one quarter	.	.	.	.	137,177 58
September 30, 1930:					
Net cost of tunnel	.	.	.	.	12,193,879 98
Rental for one quarter	.	.	.	.	137,181 15
December 31, 1930:					
Net cost of tunnel	.	.	.	.	12,193,883 81
Rental for one quarter	.	.	.	.	137,181 19
Total	.	.	.	.	<u>\$548,427 20</u>

ARLINGTON STATION.

March 31, 1930:				
Net cost of station	\$1,219,958	65		
Rental for one quarter			\$13,724	54
June 30, 1930:				
Net cost of station	1,219,958	65		
Rental for one quarter			13,724	54
September 30, 1930:				
Net cost of station	1,219,958	65		
Rental for one quarter			13,724	54
December 31, 1930:				
Net cost of station	1,219,958	65		
Rental for one quarter			13,724	54
Total			<u>\$54,898</u>	<u>16</u>

EAST BOSTON TUNNEL ALTERATIONS.

March 31, 1930:				
Net cost of premises	\$3,782,406	86		
Rental for one quarter			\$42,552	08
June 30, 1930:				
Net cost of premises	3,792,568	44		
Rental for one quarter			42,666	39
September 30, 1930:				
Net cost of premises	3,797,384	54		
Rental for one quarter			42,720	58
December 31, 1930:				
Net cost of premises	3,802,712	34		
Rental for one quarter			42,780	52
Total			<u>\$170,719</u>	<u>57</u>

DORCHESTER RAPID TRANSIT.

March 31, 1930:				
Value of premises	\$10,648,509	31		
Rental for one quarter			\$123,437	39
June 30, 1930:				
Value of premises	10,721,788	99		
Rental for one quarter			120,620	13
September 30, 1930:				
Value of premises	10,751,473	24		
Rental for one quarter			120,954	08
December 31, 1930:				
Value of premises	10,663,631	10		
Rental for one quarter			116,126	41
Total			<u>\$481,138</u>	<u>01</u>

TOTALS.

Tremont Street Subway			\$198,093	82
Washington Street Tunnel			357,592	71
Cambridge Connection			80,550	12
Boylston Street Subway			237,815	31
East Boston Tunnel Extension			105,446	72
Dorchester Tunnel			548,427	20
Arlington Station			54,898	16
East Boston Tunnel			152,987	51
Hyde Park Street Railway			10,396	10
East Boston Tunnel Alterations			170,719	57
Dorchester Rapid Transit			481,138	01
			<u>\$2,398,065</u>	<u>23</u>

STATEMENT OF EXPENSES.

The following is a classified statement of the expenses of the department for the year ending December 31, 1930:

EAST BOSTON TUNNEL.

SECTION B.

Construction Expenses:

Labor	<u>\$473 53</u>
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BOSTON TUNNEL AND SUBWAY.

Engineering Expenses:

Stationery—Supplies	Cr. \$1 00
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SECTION 3.

Construction Expenses:

Construction	\$1 95	
Essex Station	376 75	
	<u> </u>	378 70

SECTION 4.

Engineering Expenses:

Skilled Service	9 22
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SECTION 6.

Construction Expenses:

Construction	1 95
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SECTION 8.

Engineering Expenses:

Skilled Service	17 20
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SECTION 9.

Engineering Expenses:

Skilled Service	158 28	
	<u> </u>	<u>\$564 35</u>

CAMBRIDGE CONNECTION.

Engineering Expenses:

Skilled Service	\$336 91
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SECTION 2.

Construction Expenses:

Construction	527 47	
	<u> </u>	<u>\$864 38</u>

DORCHESTER TUNNEL.

Engineering Expenses:

Stationery—Supplies	\$11 45
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SECTION A.

Engineering Expenses:

Skilled Service	\$91 28
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Construction Expenses:

Labor	100 25	
	<u> </u>	191 53

Carried forward	<u>\$202 98</u>
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Brought forward \$202 98

SECTION B.

Engineering Expenses:
Skilled Service 38 48

SECTION G.

Engineering Expenses:
Stationery—Sup-
plies \$3 65
Construction Expenses:
Construction \$35 43
Labor 1,476 95
Tools 19 90
————— 1,532 28
1,535 93

SECTION J.

Engineering Expenses:
Skilled Service \$42 27
Construction Expenses:
Construction 101 62
————— 143 89

SECTION K.

Engineering Expenses:
Professional Ad-
vice \$250 00
Skilled Service 852 81
Stationery—Sup-
plies 1 50
————— \$1,104 31
Construction Expenses:
Coleman Bros., Inc.
(Cont. 784) \$25,000 00
Property Damages-
Takings 5,000 00
————— 30,000 00
31,104 31
————— \$33,025 59

BOYLSTON STREET SUBWAY.

Engineering Expenses:
Skilled Service \$94 70
Stationery—Sup-
plies 8 32
————— \$103 02
Stenographers Cr. 60 68
————— \$42 34

SECTION 2.

Engineering Expenses:
Advertising \$10 75
Skilled Service 5,914 19
Stationery—Sup-
plies 11 60
————— \$5,936 54
Construction Expenses:
Construction \$16,265 05
Labor 3,949 26
—————
Carried forward, \$20,214 31 \$5,936 54 \$42 34

Brought forward,	\$20,214 31	\$5,936 54	\$42 34
Lighting . . .	142 34		
Tools . . .	40 50		
		20,397 15	
			26,333 69
			<u>\$26,376 03</u>

EAST BOSTON TUNNEL ALTERATIONS.

Engineering Expenses:			
Skilled Service	\$633 93		
Stationery—Sup- plies	25 49		
			\$659 42
Construction Expenses:			
Construction	\$627 11		
Labor	4,825 09		
Tools	173 48		
	\$5,625 68		
Field Supplies	Cr. 273 22		
			5,352 46
			<u>\$6,011 88</u>

HYDE PARK STREET RAILWAY.

Construction Expenses:			
Property Dam- ages-Takings	Cr. \$1,200 00		
Stationery—Sup- plies	1 50		
			Cr. <u>\$1,198 50</u>

TREMONT STREET SUBWAY ALTERATIONS—ACTS 1924.

Engineering Expenses:			
Skilled Service	\$1,212 29		
Adams Station:			
Engineering Expenses:			
Skilled Service	25 54		
Boylston Station:			
Construction Expenses:			
Autos	\$9 29		
Construction	27 62		
Labor	514 48		
Supplies— Field	10 31		
			552 70
Park Street Station:			
Construction Expenses:			
Labor	270 10		
Park Street Station (Changing Columns):			
Engineering Expenses:			
Skilled Service, \$1,194 06			
Stationery— Supplies	8 44		
		\$1,202 50	
Construction Expenses:			
Construction	\$822 20		
Labor	6,598 95		
Light—Power	198 25		
Supplies—Field, ...	128 51		
Carried forward,	\$7,747 91	\$1,202 50	\$2,060 63

Brought forward,	\$7,747 91.	\$1,202 50	\$2,060 63	
Teaming . . .	10 00			
Tools . . .	151 68			
		7,909 59		
			9,112 09	
				<u>\$11,172 72</u>

EAST BOSTON TUNNEL ALTERATIONS—ACTS 1924.

Miscellaneous Expenses:

Labor . . .	\$125 13		
Stationery—Sup- plies . . .	60		
			\$125 73

Atlantic Avenue Station:

Construction . . .	\$7 50		
Labor . . .	715 35		
Skilled Service . . .	66 32		
Stationery—Sup- plies . . .	2 07		
Tools . . .	34 50		
		825 74	<u>\$951 47</u>

EAST BOSTON TUNNEL EXTENSION.

SECTION G.

Engineering Expenses:

Skilled Service	\$17 48	
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Construction Expenses:

Construction . . .	\$1 64		
Field Supplies . . .	1 59		
Labor . . .	35 25		
		38 48	
			\$55 96

SECTION H.

Engineering Expenses:

Stationery—Sup- plies	Cr. \$3 47	
------------------------------------	------------	--

Construction Expenses:

Construction . . .	\$27 49		
Labor . . .	1,278 21		
Tools . . .	16 45		
		1,322 15	
			1,318 68

SECTION J.

Engineering Expenses:

Skilled Service	12 08	
		<u>\$1,386 72</u>

DORCHESTER RAPID TRANSIT.

General Expenses:

Clerks and Ste- nographers . . .	\$609 10	
Commissioners . . .	1,750 00	
Conveyancer . . .	332 81	
Lighting . . .	35 64	
Printing . . .	28 65	

Carried forward, \$2,756 20

<i>Brought forward,</i>	\$2,756 20
Rental . . .	638 00
Secretary . .	534 64
Stationery—Sup- plies . . .	68 28
Telephone—Tel- egraph . . .	209 94

	<u>\$4,207 06</u>
Interest . . .	99,629 43

\$103,836 49

Engineering Expenses:

Autos . . .	\$27 53
Chief Engineer .	656 25
Clerks . . .	1,080 48
Labor . . .	2,291 86
Lighting . . .	44 47
Professional Ad- vice . . .	1,075 00
Rental . . .	638 04
Skilled Service .	3,262 25
Stationery—Sup- plies . . .	14 18
Stenographers .	297 34
Telephone—Tel- egraph . . .	48 47

9,435 87

SECTION 1.

Columbia Station Overpass . . . \$909 20

Miscellaneous Expenses:

Professional Ad- vice . . .	\$250 00
Property Dama- ges—Takings,	26,407 52
Rental—Construc- tion . . .	386 10
Skilled Service .	188 07
Stationery—Sup- plies . . .	2 00

\$27,233 69Equipment—Ma-
terial . . . Cr. 5,771 1121,462 58

22,371 78

SECTION 2.

Bridges:

Adams Street .	\$557 42
Dorchester Ave- nue . . .	421 03

\$978 45

Stations:

Fields Corner Station En- closed Area .	\$144 29
Fields Corner Sta- tion . . .	3,587 12

3,731 41*Carried forward* . . . \$4,709 86 \$135,644 14

<i>Brought forward</i> . . .	\$4,709 86	\$135,644 14	
Miscellaneous Expenses:			
Acquisition—			
Shawmut			
Branch . . .	\$6 79		
Labor . . .	62 31		
Professional Advice . . .	100 00		
Property Dam- ages—Takings,	50 93		
Rental—Con- struction . . .	241 64		
Skilled Service . . .	40 67		
Stationery—Sup- plies . . .	1 50		
	\$503 84		
Equipment—Ma- terial . . .	Cr. 1,776 76		
Field Supplies . . .	Cr. 7 05		
	Cr. 1,279 97		
			3,429 89

SECTION 3.

Shawmut Station . . .	\$7,280 98		
Miscellaneous:			
Acquisition—			
Shawmut			
Branch . . .	\$12 51		
Autos . . .	5 40		
Clerk . . .	60 40		
Construction . . .	15 66		
Filed Supplies . . .	2 45		
Labor . . .	424 87		
Rental—Con- struction . . .	244 36		
Skilled Service . . .	163 58		
Stationery— Supplies . . .	7 05		
	\$936 28		
Equipment—			
Material . . .	Cr. 3,280 73		
	Cr. 2,344 45		
			4,936 53

SECTION 4.

Bridges:			
Adams Street . . .	\$1,330 57		
Beale Street . . .	192 00		
		\$1,522 57	
Stations:			
Ashmont . . .	\$389 05		
Cedar Grove . . .	3,178 21		
		3,567 26	
Miscellaneous Expenses:			
Acquisition—			
Shawmut			
Branch . . .	\$10 15		
Construction . . .	103 22		
Labor . . .	352 13		
<i>Carried forward,</i>	\$465 50	\$5,089 83	\$144,010 56

<i>Brought forward,</i>	\$465 50	\$5,089 83	\$144,010 56
Professional Ad- vice	1,850 00		
Property Dam- ages—Takings,	550 00		
Rental—C o n- struction . .	259 20		
Skilled Service .	298 87		
Stationery— Supplies . . .	8 36		
Tools	6 15		
	\$3,438 08		
Equipment — Material . . .	<i>Cr.</i> 2,664 23		
		773 85	
			5,863 68

SECTION 5A.

M. F. Gaddis (Contract 920)	.	\$10,000 00	
Miscellaneous Expenses:			
Acquisition — S h a w m u t Branch . . .	\$8 90		
Construction .	17 10		
Equipment — Material . . .	19,013 21		
Labor	452 19		
Property Dam- ages—Takings	2,000 00		
Rental—C o n- struction . .	99 92		
Skilled Service .	462 65		
Stationery— Supplies . . .	7 55		
Field — Supplies	68 89		
Tools	10 00		
Track Changes .	1,065 93		
		23,206 34	
			33,206 34

SECTION 5B.

William J. Sullivan (Contract 935)	\$64,340 27		
Stations:			
Central Avenue	\$3,372 39		
Milton Station .	4,503 06		
		7,875 45	
Field Office:			
Milton		179 70	
Miscellaneous Expenses:			
Acquisition — S h a w m u t Branch . . .	\$6 16		
Autos	111 39		
Clerk	60 40		
Construction .	2,682 42		
Equipment— Material . . .	13,200 65		
Fuel	24 70		
Labor	3,293 31		
<i>Carried forward,</i>	\$19,379 03	\$72,395 42	\$183,080 58

<i>Brought forward,</i>	\$19,379 03	\$72,395 42	\$183,080 58
Lighting . . .	37 27		
Professional Advice . . .	250 00		
Rental—Construction . . .	78 32		
Skilled Service . . .	1,185 70		
Stationery—Supplies . . .	41 54		
Supplies—Field . . .	151 56		
Tools . . .	46 95		
Water Pipes . . .	4,890 20		
		26,060 57	
			98,455 99

SECTION 5C.

Peerless Construction Co. (Contract 937)	\$11,326 98
Stations:	
Mattapan	\$16,107 51
Valley Road	4,102 16
	20,209 67

Field Office:	
Mattapan	56 71

Miscellaneous Expenses:

Acquisition—

Shawmut

Branch . . . \$13 15

Autos . . . 57 54

Clerk . . . 60 41

Construction . . . 3,928 24

Equipment—

Material . . . 33,227 76

Fuel . . . 55 00

Labor . . . 2,134 52

Lighting . . . 71 17

Professional Advice . . . 100 00

Property Dam-

ages—Takings . . . 1 02

Rental—Construction . . . 40 46

Skilled Service . . . 1,017 05

Stationery—Sup-

plies . . . 68 50

Supplies—Field . . . 167 05

Tools . . . 463 41

Water Pipes . . . 1,420 59

42,825 87

74,419 23

\$355,955 80

TRAFFIC TUNNEL.

General Expenses:

Chief Clerk . . . \$1,227 36

Clerks—Stenographers . . . 5,003 81

Commissioners . . . 22,250 00

Conveyancer . . . 3,348 82

Secretary . . . 5,823 02

Office—Furniture . . . 372 80

Lighting . . . 429 30

Carried forward . . . \$38,455 11

<i>Brought forward</i>		\$38,455 11	
Office — Printing		390 40	
Rentals		8,111 97	
Repairs		59 00	
Stationery — Sup- plies		1,417 26	
Telephone — Tele- graph		2,210 00	
		\$50,643 74	
Transferred to			
Boylston St. Subway — Chap.			
394 — Acts 1930		14,003 48	
			\$36,640 26
Engineering Expenses:			
Hanover Street Field Office		\$882 88	
North Street Field Office		47 31	
Advertising		152 10	
Autos		2,300 90	
Borings		2,600 61	
Chief Engineer		6,493 75	
Clerks		5,535 90	
Construction		21 92	
Furniture		453 56	
Fuel		224 96	
Instruments		284 25	
Labor		30,082 67	
Lighting		338 34	
Professional Advice		45,134 94	
Property Damages — Takings,	2,137,118 67		
Property Repairs		746 76	
Rentals		6,216 16	
Rental — Construction		2,591 68	
Repairs		42 87	
Skilled Service		87,753 54	
Stationery — Supplies		3,074 02	
Stenographers		2,027 57	
Supplies — Field		353 38	
Telephone — Telegraph		467 60	
Tools		87 73	
			2,335,034 07
Interest			1,062 50
			\$2,372,736 83

BOYLSTON STREET SUBWAY — ACTS 1930.

Proportion General Expenses		\$14,003 48	
Engineering and Miscellaneous Expenses:			
Advertising		\$92 50	
Autos		59 00	
Chief Engineer		1,850 00	
Clerks		2,856 06	
Furniture		15 00	
Inspection		593 59	
Instruments		174 83	
Lighting		98 85	
Printing		1,041 88	
Professional Advice		2,681 30	
Rental		1,895 82	
Repairs		22 87	
Skilled Service		64,613 27	
<i>Carried forward</i>		\$75,994 97	\$14,003 48

<i>Brought forward</i>	\$75,994 97	\$14,003 48
Stationery—Supplies	1,831 66	
Stenographers	860 15	
Telephone—Telegraph	156 24	
		78,843 02
Construction Expenses:		
Autos	\$4,246 60	
Construction	96,880 20	
Field Supplies	70,125 35	
Fuel	471 80	
Labor	257,655 76	
Light—Power	3,171 18	
Rental—Yard	1,195 81	
Trucking	17,962 76	
Tools	91,509 85	
Underpinning	17,294 66	
		560,513 97
		<u>\$653,360 47</u>
Increase:		
East Boston Tunnel	\$473 53	
Boston Tunnel and Subway	564 35	
Cambridge Connection	864 38	
Dorchester Tunnel	33,025 59	
Boylston Street Subway	26,376 03	
East Boston Tunnel Alterations	6,011 88	
Hyde Park Street Railway	Cr. 1,198 50	
Tremont Street Subway Alterations — Acts 1924	11,172 72	
East Boston Tunnel Alterations — Acts 1924,	951 47	
East Boston Tunnel Extension	1,386 72	
Dorchester Rapid Transit	355,955 80	
Traffic Tunnel	2,372,736 83	
Boylston Street Subway—Acts 1930	653,360 47	
		<u>\$3,461,681 27</u>

SUMMARY.

	From beginning of work to Dec. 31, 1929.	Jan. 1, 1930, to Dec. 31, 1930.	Total.
Subway — Subway Com- mission	\$14,131 16		\$14,131 16
Part of General Ex- penses	117,550 71		117,550 71
Engineering and Miscel- laneous	407,475 48		407,475 48
Section One	239,407 12		239,407 12
Two	363,605 50		363,605 50
Three	300,639 36		300,639 36
Three and one- half	9,355 70		9,355 70
Four	472,147 31		472,147 31
Five	387,411 49		387,411 49
Six	327,541 86		327,541 86
Seven	231,504 27		231,504 27
Eight	95,902 06		95,902 06
Eight and one- half	76,639 47		76,639 47
Nine	299,452 07		299,452 07
<i>Carried forward</i>	\$3,342,763 56		\$3,342,763 56

	From beginning of work to Dec. 31, 1929.	Jan. 1, 1930, to Dec. 31, 1930.	Total.
<i>Brought forward</i>	\$3,342,763 56		\$3,342,763 56
Section Ten	254,497 88		254,497 88
Eleven	270,310 57		270,310 57
Interest	258,575 60		258,575 60
	<u>\$4,126,147 61</u>		<u>\$4,126,147 61</u>
Transfer to Alterations, see 11th report	4 95		4 95
	<u>\$4,126,142 66</u>		<u>\$4,126,142 66</u>
Alterations — Part of Gen- eral Expenses	\$28,945 53		\$28,945 53
Section Three	2,568 26		2,568 26
Four	163 42		163 42
Five	30,233 01		30,233 01
Seven	178,516 16		178,516 16
Nine	3 00		3 00
Ten	534 04		534 04
Interest	1,905 56		1,905 56
Transfer from subway, see 11th report	4 95		4 95
	<u>\$242,873 93</u>		<u>\$242,873 93</u>
Charlestown Bridge: Total	<u>\$1,570,197 98</u>		<u>\$1,570,197 98</u>
Investigation of Conges- tion of Traffic, etc.	<u>\$3,015 92</u>		<u>\$3,015 92</u>
East Boston Tunnel — Part of General Ex- penses	\$161,134 78		\$161,134 78
Engineering and miscel- laneous	199,688 73		199,688 73
Section A	98,869 09		98,869 09
B	1,489,869 07	\$473 53	1,490,342 60
C	508,202 77		508,202 77
D	246,569 26		246,569 26
E	188,307 72		188,307 72
F	243,763 23		243,763 23
Interest	248,156 88		248,156 88
	<u>\$3,384,561 53</u>	<u>\$473 53</u>	<u>\$3,385,035 06</u>
Boston Tunnel and Sub- way — Part of Gen- eral Expenses	\$226,547 21		\$226,547 21
Engineering and Miscel- laneous	419,690 59	Cr. \$1 00	419,689 59
Section One	815,591 24		815,591 24
Two	614,183 29		614,183 29
Three	683,842 49	378 70	684,221 19
Four	1,205,322 61	9 22	1,205,331 83
Five	1,080,127 58		1,080,127 58
Six	351,822 60	1 95	351,824 55
Seven	139,723 14		139,723 14
Eight	619,092 67	17 20	619,109 87
Nine	678,991 95	158 28	679,150 23
Ten	142,835 42		142,835 42
<i>Carried forward</i>	\$6,977,770 79	\$564 35	\$6,978,335 14

	From beginning of work to Dec. 31, 1929.	Jan. 1, 1930, to Dec. 31, 1930.	Total.
<i>Brought forward</i>	\$6,977,770 79	\$564 35	\$6,978,335 14
Section Eleven	345,493 91		345,493 91
Twelve	45,417 52		45,417 52
Interest	648,179 81		648,179 81
	<u>\$8,016,862 03</u>	<u>\$564 35</u>	<u>\$8,017,426 38</u>
Cambridge Connection — Part of General Ex- penses	\$67,261 25		\$67,261 25
Engineering and Miscel- laneous	258,505 56	\$336 91	258,842 47
Section One	590,280 64		590,280 64
Two	652,548 45	527 47	653,075 92
Interest	76,722 00		76,722 00
	<u>\$1,645,317 90</u>	<u>\$864 38</u>	<u>\$1,646,182 28</u>
Dorchester Tunnel— Part of General Ex- penses	\$197,392 47		\$197,392 47
Engineering and Miscel- laneous	833,272 33	\$11 45	833,283 78
Section A	409,633 52	191 53	409,825 05
B	885,050 41	38 48	885,088 89
C	460,379 33		460,379 33
D	1,131,501 48		1,131,501 48
E	2,366,598 58		2,366,598 58
F	868,444 45		868,444 45
G	615,245 51	1,535 93	616,781 44
H	893,727 73		893,727 73
J	974,759 58	143 89	974,903 47
K	1,320,970 13	31,104 31	1,352,074 44
Interest	1,312,320 20		1,312,320 20
	<u>\$12,269,295 72</u>	<u>\$33,025 59</u>	<u>\$12,302,321 31</u>
Boylston Street Subway— Part of General Ex- penses	\$104,155 53		\$104,155 53
Engineering and Miscel- laneous	240,040 87	\$42 34	240,083 21
Section One	763,171 52		763,171 52
Two	1,233,315 38	26,333 69	1,259,649 07
Three	585,564 58		585,564 58
Four	1,458,935 20		1,458,935 20
Five	729,141 17		729,141 17
Interest	320,194 59		320,194 59
	<u>\$5,434,518 84</u>	<u>\$26,376 03</u>	<u>\$5,460,894 87</u>
East Boston Tunnel Ex- tension — Part of General Expenses	\$38,383 04		\$38,383 04
Engineering and Miscel- laneous	976,250 79		976,250 79
Section G	336,794 88	\$55 96	336,850 84
H	673,487 15	1,318 68	674,805 83
J	135,724 66	12 08	135,736 74
Interest	224,138 91		224,138 91
	<u>\$2,384,779 43</u>	<u>\$1,386 72</u>	<u>\$2,386,166 15</u>

	From beginning of work to Dec. 31, 1929.	Jan. 1, 1930, to Dec. 31, 1930.	Total.
Arlington Station — Part of General Expenses .	\$41,313 26		\$41,313 26
Engineering and Miscel- laneous	72,954 20		72,954 20
Construction	582,395 17		582,395 17
Extension	483,005 17		483,005 17
Interest	55,738 68		55,738 68
	<u>\$1,235,406 48</u>		<u>\$1,235,406 48</u>
East Boston Tunnel Al- terations — Part of General Expenses .	\$75,407 79		\$75,407 79
Engineering and Miscel- laneous	171,959 61	\$659 42	172,619 03
Construction	3,407,933 76	5,352 46	3,413,286 22
Interest	168,217 76		168,217 76
	<u>\$3,823,518 92</u>	<u>\$6,011 88</u>	<u>\$3,829,530 80</u>
Hyde Park Street Railway — Part of General Expenses	\$2,195 04		\$2,195 04
Engineering and Miscel- laneous	305,260 98	* \$1,198 50	304,062 48
	<u>\$307,456 02</u>	<u>* \$1,198 50</u>	<u>\$306,257 52</u>
Tremont Street Subway Alterations — Acts 1924 Part of General Expenses	\$1,093 59		\$1,093 59
Engineering and Miscel- laneous	819 20	\$1,212 29	2,031 49
Adams Station	2,401 75	25 54	2,427 29
Boylston Station		552 70	552 70
Brattle Street — East- erly Platform	7,723 72		7,723 72
Hanover Street	49 10		49 10
Haymarket Station	15,161 01		15,161 01
Park Street Station — North Platform	4,899 29		4,899 29
Column Changes	7,860 68	9,112 09	16,972 77
General		270 10	270 10
Scollay Station	488 40		488 40
Scollay Square Changes — Cambridge and Court Street Widen- ing	7,311 84		7,311 84
	<u>\$47,808 58</u>	<u>\$11,172 72</u>	<u>\$58,981 30</u>
East Boston Tunnel Alter- ations — Acts 1924 — Engineering and Mis- cellaneous		\$125 73	\$125 73
Atlantic Station	\$4,401 50	825 74	5,227 24
East Boston Tunnel	5,105 13		5,105 13
Carried forward	\$9,506 63	\$951 47	\$10,458 10

* Decrease.

	From beginning of work to Dec. 31, 1929.	Jan. 1, 1930, to Dec. 31, 1930.	Total.
<i>Brought forward</i>	\$9,506 63	\$951 47	\$10,458 10
Scollay Station	68 01		68 01
Scollay Square Changes —Cambridge and Court street Widen- ing	4,656 57		4,656 57
	<u>\$14,231 21</u>	<u>\$951 47</u>	<u>\$15,182 68</u>
Dorchester Rapid Transit — Part of General Expenses	\$205,772 61	\$4,207 06	\$209,979 67
Engineering and Miscel- laneous	256,562 58	9,435 87	265,998 45
Section One	2,600,176 42	22,371 78	2,622,548 20
Two	1,685,388 23	3,429 89	1,688,818 12
Three	1,572,007 74	4,936 53	1,576,944 27
Four	1,719,224 79	5,863 68	1,725,088 47
Five	1,851,440 31	206,081 56	2,057,521 87
Interest	544,185 83	99,629 43	643,815 26
	<u>\$10,434,758 51</u>	<u>\$355,955 80</u>	<u>\$10,790,714 31</u>
Traffic Tunnel — Part of General Expenses	\$6,708 44	\$36,640 26	\$43,348 70
Engineering and Miscel- laneous	47,287 39	2,335,034 07	2,382,321 46
Interest		1,062 50	1,062 50
	<u>\$53,995 83</u>	<u>\$2,372,736 83</u>	<u>\$2,426,732 66</u>
Boylston Street Subway — Chap. 394 — Acts 1930 — Part of Gen- eral Expenses		\$14,003 48	\$14,003 48
Engineering and Miscel- laneous		78,843 02	78,843 02
Construction		560,513 97	560,513 97
		<u>\$653,360 47</u>	<u>\$653,360 47</u>
Chapter 78 — Resolves of 1913	<u>\$389 14</u>		<u>\$389 14</u>
Chapter 84 — Resolves of 1913	<u>\$636 58</u>		<u>\$636 58</u>
Dorchester Tunnel Exten- sion	<u>\$520 19</u>		<u>\$520 19</u>
Grand Totals	<u>\$54,996,287 40</u>	<u>\$3,461,681 27</u>	<u>\$58,457,968 67</u>

The report of the Chief Engineer giving the work in detail follows.

THOMAS F. SULLIVAN,
NATHAN A. HELLER,
ARTHUR B. CORBETT,
Commissioners.

REPORT OF THE CHIEF ENGINEER.

BOSTON, December 31, 1930.

THOMAS F. SULLIVAN, NATHAN A. HELLER AND ARTHUR B. CORBETT, *Commissioners, City of Boston Transit Department.*

GENTLEMEN,— I herewith submit a report for the year ending December 31, 1930.

The engineering work of the department during the past year has been divided to a large extent between the Traffic Tunnel, Boston to East Boston, and the Boylston Street Subway Extension, Governor Square, although plans have been prepared and construction supervised on several other projects, as follows:

Newbury Substation, Boylston Street Subway.

Park Street Station, Column Changes.

Ventilation of repair shop. East Boston Tunnel Alterations.

New concrete walk, Shawmut Station, Dorchester Rapid Transit.

Ventilation shaft, Shawmut Station, Dorchester Rapid Transit.

Canopies for four high speed trolley stations, Dorchester Rapid Transit.

Adams Street Bridge, alterations and repairs, Dorchester Rapid Transit.

Fence enclosures, Parking area, Mattapan, Dorchester Rapid Transit.

New stop-on-signal station at Capen Street, Dorchester Rapid Transit.

Studies and estimates have been prepared for various proposed rapid transit routes. Inspection work has been carried on wherever construction of new buildings or alterations of old buildings adjacent to the city's subways has been in progress.

All field engineering and construction work has continued as in the previous year under the supervision of Assistant Chief Engineer Wilbur W. Davis, and the office work has continued under the supervision of Designing Engineer Leonard B. Howe.

TRAFFIC TUNNEL, BOSTON TO EAST BOSTON.

A general description of the Traffic Tunnel was given in the last annual report.

The triangulation survey across Boston Harbor, which was in progress at the close of the last year, was completed in January. The method used was as follows:

A triangulation point was established on the roof of the building of the Bay State Fishing Company at the northwesterly end of Sumner Street, East Boston, and a base line nearly two thousand feet long was run from this point through the middle of Sumner Street to a point opposite the building of the Boston Terminal Refrigerating Company, 239-243 Sumner Street. From the latter point a right angle to the base line was turned and a second triangulation point established on the roof of the Refrigerating Company building. The third triangulation point was located on a base line on the end of Lincoln Wharf on the Boston side of the water.

The base line in Sumner Street was measured twice on days which had a difference in temperature of about thirty degrees. The measurements were made on the surface with a pull of fifteen pounds, and corrections figured for differences in elevation. Temperature corrections were also made, the tape having been tested on a bar at the State House which standardized at 62°. The difference in the corrected measurements for the two days was but .027' and the average was taken for the true length of the line.

The transit was set up on the triangulation point on the Fishing Company building and the angle measured between the base line in Sumner Street and the line to the triangulation point on the Refrigerating Company building. This line being the hypotenuse of a right angled triangle, its length could be calculated, using the above angle and the length of the base line in Sumner Street. This gave the length between the two triangulation points in East Boston. The length of the other two sides of the triangle could be calculated when the angles were known.

The three angles for the triangulation across the harbor were turned January 15-17, 1930, when there was not much wind and the light was good. The method was as follows:

One observer turned each angle ten times and then turned the telescope over and turned the angle ten times again. The average for the two sets of readings was taken as his measurement of the angle; a second observer then did likewise. The average of the two observers was taken as the true measurement of the angle. The sum of the three angles checked exactly. Targets made for the purpose were used as sights.

Connection of the base line surveys in East Boston to the triangulation was made by running the base lines in Border,

Havre, Paris and Lewis Streets to an intersection with the triangulation base line in Sumner Street and measuring the intersection angles. On the Boston side a base line was run from the triangulation point through Lincoln Wharf and Battery Street to the base line in Hanover Street and the intersection angles at each end measured.

As a check on the triangulation, another triangulation was made using the same points in East Boston, but taking a point on the base line on Union Wharf instead of that on Lincoln Wharf for the third triangulation point. The method of turning the triangulation angles was the same as in the other triangulation and connection to the Boston Base lines was made by turning the angle between the base line on Union Wharf and the side of the triangle from the point on the wharf to the point on the Fishing Company building.

LOCATION OF TUNNEL.

Studies were continued on the various locations proposed for the tunnel.

A new alignment plan showing the tunnel located on a straight line was submitted by the department to His Honor, Mayor James M. Curley, and was approved by him on April 16, 1930.

Plate I shows the location of the tunnel.

A new plan and profile was, therefore, submitted to the Department of Public Works of the Commonwealth on April 17 and on May 6 a permit was granted. A similar plan and profile was submitted with an application for a permit to the War Department on April 17 and a permit was granted on May 8.

METHOD OF CONSTRUCTION.

Two methods of construction had been given consideration by the department; namely, the trench method and the shield method.

The trench method consists in dredging a deep trench in the harbor bottom, and then floating in precast tunnel sections approximately 200 feet in length, sinking these sections in place, connecting them and then backfilling the trench. The dredges, scows, barges, and other apparatus required for this work occupy considerable area and would tend to block up the main ship channel. At best, this method could only be used

on less than one-third of the length of the tunnel, the other two-thirds or land sections being built largely under buildings and streets would necessitate the use of the shield method. This latter method consists in driving the tunnel while the men work under the protection of a steel shield, using compressed air where necessary. The shield method does not disturb the land surface above and of course does not interfere with navigation when the shield is passing below the harbor bottom.

During the first of the conferences with the Army Engineers representing the War Department, in reference to the permit for the tunnel, it was apparent that there might be considerable opposition to the trench method from shipping interests and from the Navy Department, especially, as the Navy Yard lies upstream from the tunnel location.

Furthermore, the War Department had, within a few years, refused to grant a permit for the trench method to be used under East River, New York, and it was extremely doubtful if a permit for this method could be secured here. Finally, there was no apparent saving to be made by the trench method as it could only be used on so short a section of the work. The general contractor would be required to set up a separate plant on each side of the harbor to drive the shield portions, which would duplicate his plant expense and in consequence it was probable that unit prices for the shield portions would be much higher than if the contractor were allowed to drive one shield from one side to the other. The department, therefore, adopted the shield method and the contract plans are being prepared with this method of construction in view.

Additional borings along the line of the tunnel, as finally approved, were required and proposals for doing this work were advertised for and received. The contract was awarded on May 26, 1930, to B. F. Smith & Co., Inc. The contract called for land borings on both sides of the harbor and a number of water borings in the harbor. The borings were carried down well below the bottom of the proposed tunnel and indicated in nearly every case good material through which to construct the tunnel.

Surveys have been continued on both sides of the harbor along the line of the tunnel. Pipes and underground structures have been located as far as possible. All buildings along the line have been photographed and both exterior and interior measurements taken. Plans and descriptions of all of the real

estate to be taken in fee by eminent domain have been made and most of the property required, both in Boston and East Boston, has been taken. Where the tunnel is to pass at such depth beneath buildings and other structures that takings in fee are unnecessary, easements are to be taken. Plans and descriptions are now being prepared for taking these easements.

Proposals for removing or tearing down the first group of buildings in East Boston were received and the contract awarded to the New York Building Wrecking Co. on Nov. 28. This work is now nearly completed.

Other contracts for the removal of buildings will be awarded early next month.

For purposes of construction, the traffic tunnel will be divided into three sections, the shield driven or center section and the open cut or end sections. The shield driven section is by far the longest, being about seven-eighths of the entire length between portals. As this section will require about two years to construct, it will be the first to be let. Plans and specifications are now nearly completed for this section and it is planned to advertise it early in the coming year. The section will be known as Section A and is about 4,850 feet in length. The tunnel will be circular in cross section and will be 31 feet outside diameter.

The outer shell or lining is to be of welded steel, encasing a reinforced concrete tunnel ring of 18 inches in thickness.

The roadway will be 21' 6" wide between curbs, with additional clearance above the curbs. The height from roadway to ceiling is to be 13' 6".

The circular section lends itself well to a vehicular tunnel where artificial ventilation is required, as there are large spaces above the ceiling and below the roadway which may be used for air ducts, the space below being the fresh air duct and the space above the foul air duct.

The ceiling will be a 4" reinforced concrete slab, and the floor will be of steel beam and concrete construction. There will be two ventilation shafts and one construction shaft built in connection with construction of Section A. These shafts will be of reinforced concrete construction, the ventilation shafts being about 40' x 57' in area and the construction shaft being about 34' x 43' in area.

The finish work such as tiling, fences, paving, equipment, etc., will not be included in the present contract but will be

done when both the tunnel and the open-cut sections are completed. Plans and specifications for these latter sections have been started and it is planned to follow with the construction work as fast as the buildings are removed from the site. It is expected that these latter sections will be finished well ahead of the shield section.

The details of the ventilation buildings are dependent to a large extent on the type of fan equipment used. It is planned, therefore, to advertise for proposals for this equipment in advance of the final determination of the design of the ventilation buildings, with a view to effecting any saving in the construction of buildings that may result. The contract for the shield section will so be arranged that work can be started on these buildings long before the shield section is completed.

The ventilation building on the Boston side is to be located at 308 to 328 North Street. The East Boston ventilation building will be located at 55 to 65 Liverpool Street. Both buildings are directly over the tunnel; the shafts beneath them, noted above, are approximately 60 feet in depth.

The engineers' field office on the Boston side is at present at 116 North Street. The East Boston Field Office will be located at 123 Meridian Street, East Boston.

Assistant Engineer Robert B. Farwell is in charge of the work.

BOYLSTON STREET SUBWAY EXTENSION— GOVERNOR SQUARE.

The plan prepared by the department for the removal of the surface car tracks from Governor Square, provides for a four-track underground station beneath the location of the present Kenmore Station which is at the head of the open incline of the Boylston Street Subway at Kenmore Station. The plan provides for two new open inclines for trolley cars, one to be located in the reservation in Commonwealth Avenue and the other in Beacon Street, both beyond and to the west of Governor Square. The plan makes necessary extensive alterations in the present subway from a point near Muddy River directly under the Collins Monument to the top of the present open incline near Kenmore Station. The invert or bottom of the present subway will be removed and a new invert and side-walls will be built at greater depth. The work will necessarily have to be done while cars are being operated in the present subway and on the present incline, which will eventually be

removed. A loop at the easterly end of the station is provided for by means of a single track subway connecting with the two outer station tracks.

Governor Square is heavily congested with automobile traffic. Beneath the Square are two 48" water mains and also the Muddy River conduit about 8' x 11' in size; together with a network of other smaller pipes and conduits. The scheme of construction, therefore, provides that the work be carried on in a series of steps in order to relocate these important mains without interrupting their services and also to handle the automobile and electric car traffic during the different phases of the construction.

Plate II shows a general view of Governor Square previous to starting work.

Plans were made to conduct this work by using the department's labor force in a similar manner to that by which the East Boston Tunnel Alterations work in Maverick Square was handled. Upon the acceptance of the Act, steps were immediately taken to start the construction which it was estimated would take about 3 years to complete.

The assembling of a construction plant was started on July 14. A temporary yard was fenced off on the reservation in the center of Commonwealth Avenue just west of Muddy River and extending to Charlesgate West. A men's house and timekeepers' office was built in the southeast corner. This house also contained a foreman's room. On the opposite side of the yard, foundations were started for an air compressor plant, from which compressed air could be piped to all parts of the work for use in operating pneumatic concrete breakers, drills, air hammers for driving sheeting, for riveting, etc.

Proposals for the compressor plant were called for and included a compressor capable of delivering over 1,000 cubic feet of free air per minute, a 200 horsepower direct current electric motor, together with a large storage tank, a switchboard, and necessary wiring and piping. This plant was later furnished and erected by the Chicago Pneumatic Tool Company.

Plate III shows the compressor plant.

Just west of the compressor house, a carpenters' shop, tool house and gasoline tank were installed. On the south side of the yard, an electricians' house, oil house and toilet facilities were provided. Space for storage of lumber was also allowed.



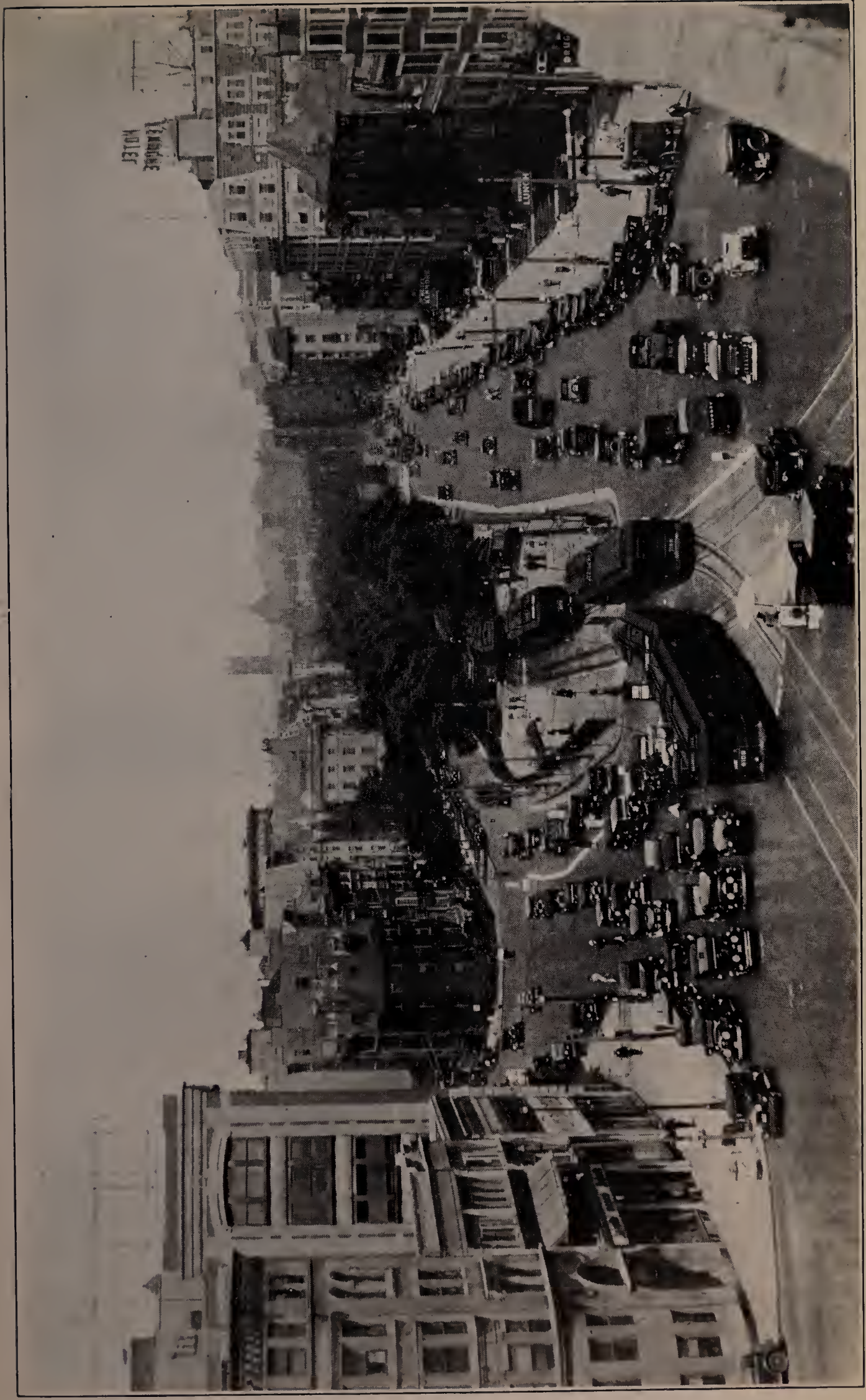


PLATE II.—GENERAL VIEW OF GOVERNOR SQUARE, TAKEN JUST PRIOR TO BEGINNING CONSTRUCTION OF
SUBWAY EXTENSION.

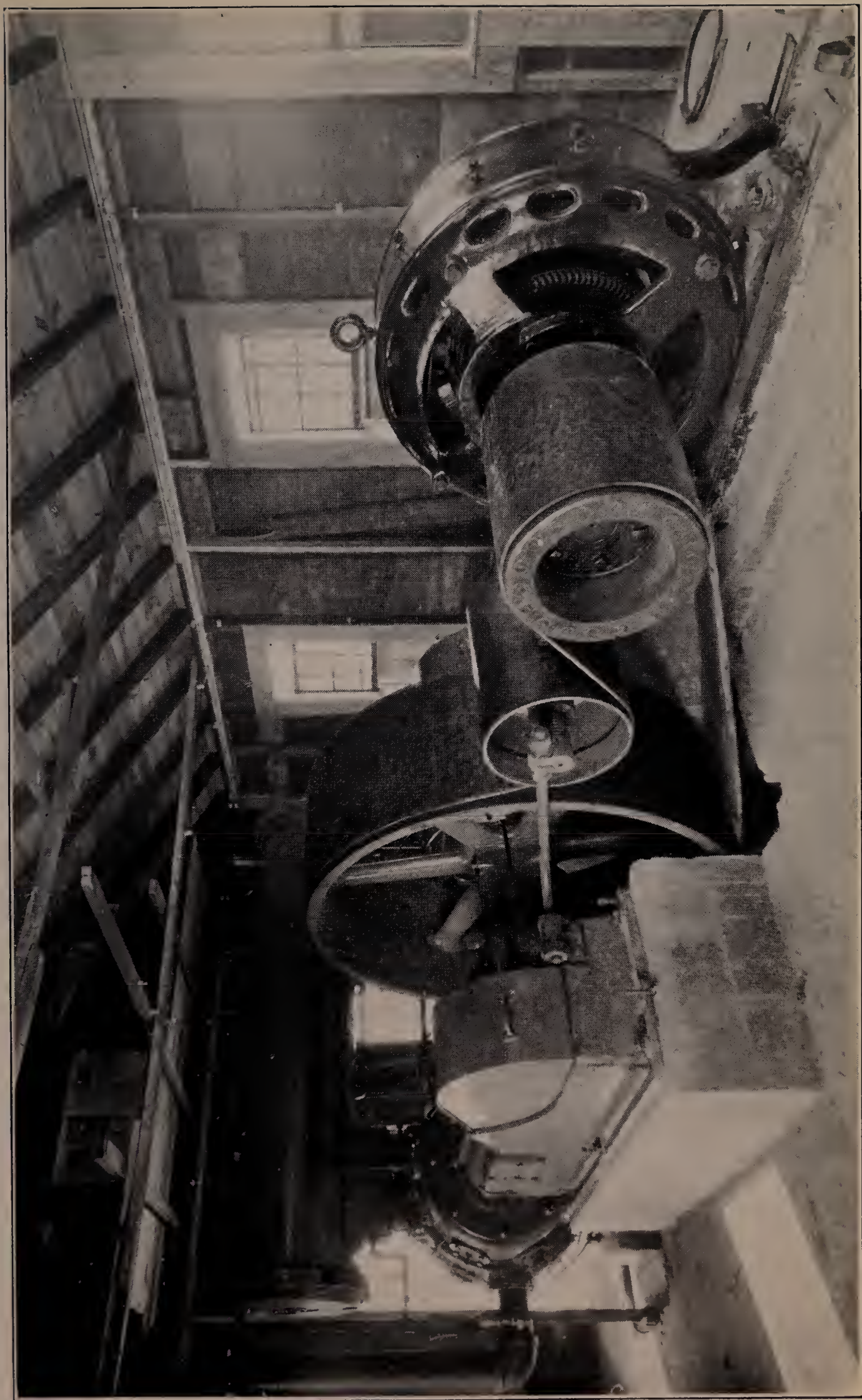


PLATE III.—AIR COMPRESSOR PLANT.

On the reservation beyond Charlesgate West, the erection of a field engineers' office was started. Two portable electric derricks, a portable compressor and other tools were brought over from the department's yard at Cypher Street, South Boston. The locations for the first two shafts were staked out and on July 21 the construction work was officially started by His Honor, Mayor James M. Curley.

Arrangements were made with the Massachusetts District Commission to dispose of surplus excavated material along the bank of the Charles River just east of the Cottage Farm Bridge. The trucking of this material was let by contract to M. McGinnis Co., after bids were received from 19 trucking firms.

A third shaft was started just in the rear of the Collins Monument. This was followed by others and by August, six electric derricks had been brought over from the yard and were in operation at different shafts. The labor force meanwhile had been gradually increased from a small number to over 200 men. By September the number was increased to 325 men, and on September 21, a night shift was started. The night shift went on at midnight and worked through until 8 A. M. It was employed at first on drilling and removing concrete. As fast as new openings were made, this night shift was increased in number, and on November 4, a third shift or evening shift was put on. Since then, the work has gone on without interruption, twenty-four hours a day.

In excavating the shafts, ground water was encountered about 12 feet below the level of the street, and as the shafts are put down to an average depth of 40 feet, a large amount of water has to be pumped. To take care of the discharge from the pumps, an 8" pipe line was laid in the reservation crossing under Charlesgate West and running easterly to Muddy River. A great number of pumps varying from small air pumps to 4" diaphragm pumps and 4" and 6" electric centrifugal pumps are kept constantly running to handle the water encountered.

As the second shaft neared bottom, considerable hydrogen sulphide gas was encountered. This at first caused discomfort, as it caused the men's eyes to water, but it was soon apparent that it would become unbearable, if not actually dangerous. The work at this shaft was immediately stopped and a chemical analysis was made to determine if other gases were also present, but none were found.

Arrangements were made to install large galvanized iron flues running from the surface down into the shaft and arranged so that branches could be run into the various drifts under the old subway as they were carried forward.

An electrically driven Sturtevant Fan was installed at the surface in a small building. This fan was connected with a large vertical pipe and was run as an exhaustor, pulling the hydrogen sulphide gas from the bottom. The shaft being open at the top allowed the fresh air to flow down. This method worked satisfactorily and has kept the shaft well ventilated.

Plate IV shows one of the exhaustor fans and flues for removing hydrogen sulphide gas from the shafts.

It was necessary later on to make a similar installation at the shaft in the rear of the Collins Monument where a large amount of hydrogen sulphide was encountered near the bottom of the shaft. Although a great many other shafts and deep trenches have since been excavated, thus far no more of this gas has been encountered.

The work to date has been divided into two distinct sections — the first being the portion under the old subway which is being underpinned and the second being under the old Kenmore Station which is being temporarily supported.

UNDERPINNING THE OLD SUBWAY.

The portion of the work lying between Muddy River and the subway incline just east of Kenmore Station is the section of the old subway which is being underpinned by the construction of a lower invert and also sidewalls beneath it, while cars are still operated on their present tracks in the subway.

The method used in this section of the work is to put down a series of shafts adjacent to the old subway but carried below to the level of the new subway invert. These shafts are from ten to twelve feet in width and from thirty to forty feet in length and are heavily sheeted and braced.

The shaft near the Collins Monument or at the easterly end of the work is located on the south side of the old subway to keep it out of the street as much as possible. There are two large shafts about 70 feet apart on the reservation just west of Charlesgate West. These shafts are located on the north side of the subway in order to keep clear of Commonwealth Avenue.



PLATE IV.—EXHAUSTER FAN AND FLUE FOR THE REMOVAL OF
HYDROGEN SULPHIDE GAS FROM THE DRIFTS.

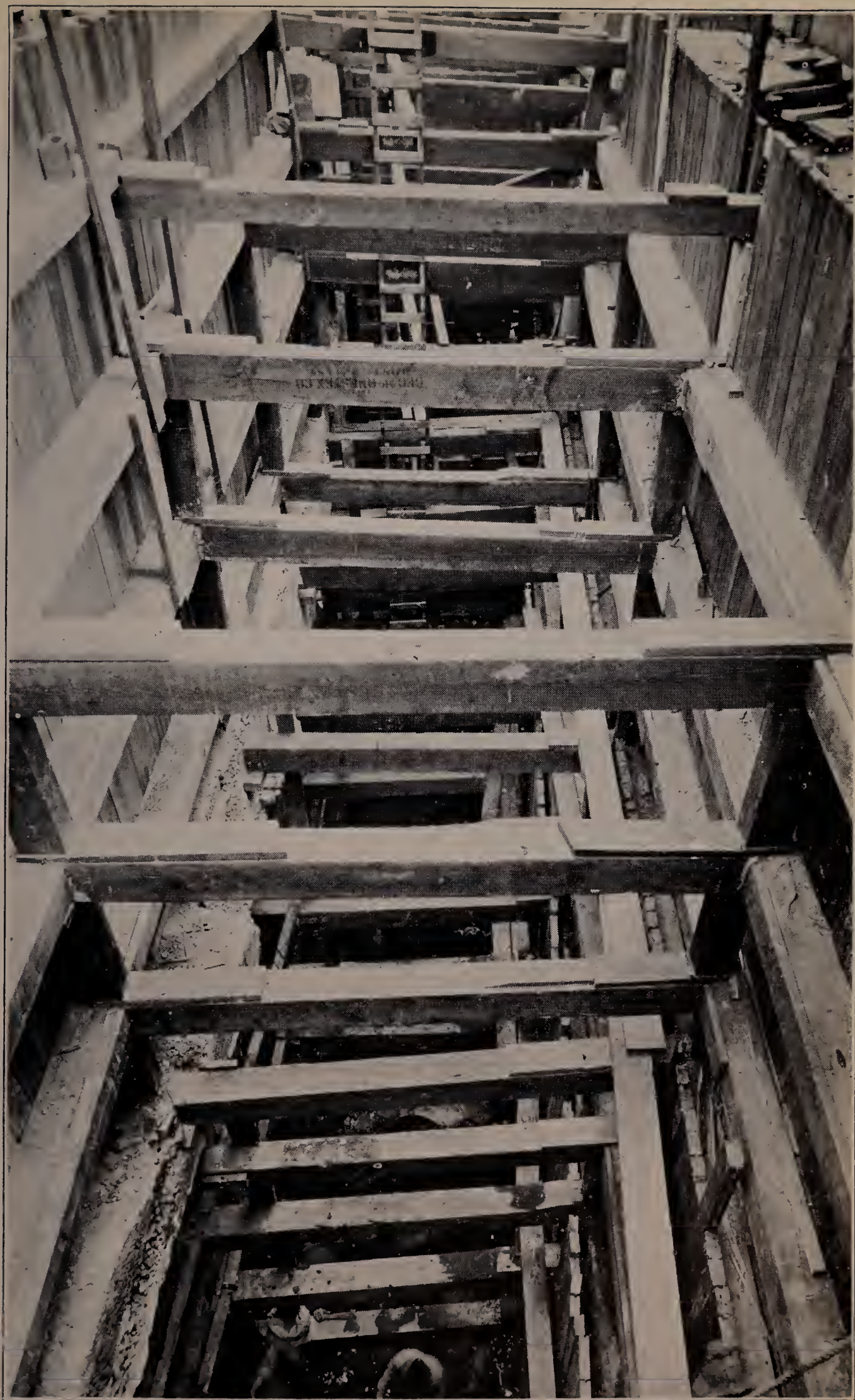


PLATE V.—VIEW LOOKING INTO ONE OF THE CONSTRUCTION
SHAFTS ADJACENT TO OLD SUBWAY.

Other shafts are put down on both sides of the incline which, being located in the center of the reservation, allows them to be built clear of the street.

Plate V is a view looking down into one of these shafts and shows the method of the sheeting and bracing used.

When the shafts reach bottom, drifts about 14 feet in width are driven under the old subway. The wooden piles are cut off as the drifts advance. The concrete mat of the old subway below the waterproofing is removed by drilling and blasting, and later, the reinforced concrete invert is removed in sections by the same means, the tracks above having been supported on steel beams. These beams are 8" H beams from 14 to 18 feet in length and were put in to act as stringers under the ties after the ballast had been removed. This latter work was done at night time by the Elevated Railway trackmen after the cars had stopped running, the department having previously arranged with the Boston Elevated Railway to substitute a bus service from Kenmore Station to Park Street, between the hours of 1.30 and 5 A. M. This arrangement also made it possible for the department to drill and blast in the removal of the old reinforced concrete invert without interruption of cars and also possible danger to the passengers.

As soon as a section of invert approximately 14 feet wide and 30 feet long across the subway invert was removed, the new mats and backwalls were put in and waterproofed. The new reinforced concrete invert, sidewalls and center wall were then built and the old walls pinned down on to them. Spaces were left for two sets of steel cross beams which were brought up under the steel stringers previously referred to, and as soon as the track load was carried on these beams, work was started on the adjoining sections of the old subway on both sides. This slice method is being followed with considerable care and no settlement of the old subway is apparent on the portions thus far completed. No additional shafts can be put down without blocking the traffic in Commonwealth Avenue so that drifts are now being run longitudinally under the old subway where the slices are not located opposite the shafts. The longest portion that is to be done in this manner is from the Collins Monument westerly under the intersection of Charlesgate West and Commonwealth Avenue, a distance of 104 feet between shafts.

Plate VI is a view taken in one of the drifts under the old subway where some of the piles have been cut off, ready for the new lower invert.

The sidewalls and invert of the open incline are being underpinned in a similar manner to the subway proper, and it will be necessary later on to remove the portions of the walls of the incline which are above ground, as it is intended to fill it in with earth after the cars are running in the new subway below.

TEMPORARY BRIDGING AND SUPPORTING — KENMORE STATION.

The method being used to temporarily support the tracks and platforms for the present surface car station at Kenmore while the new Subway Station is being built below was studied in connection with the design and layout of the columns and roof beams of the new station. There are to be three lines of steel columns running longitudinally through the new subway station, these columns being spaced 12 feet on centers for the side platform columns and 6 feet on centers for the center line columns. The roof beams will be 6 feet on centers. A system of wooden trusses running crosswise beneath the tracks was laid out 12 feet on centers and so arranged that they would come in the spaces between the steel roof beams below. These wooden trusses were made of 10 x 12 yellow pine timber and heavily braced laterally and longitudinally. They supported 10'' x 14'' yellow pine stringers which carried the railway tracks above. Additional supports were placed for the side platforms. The platforms were made up in sections about 4' x 11' in area, of 3'' tongued and grooved sheeting. This method of construction also permitted longitudinal trenches to be carried down for the foundations of the steel columns upon which longitudinal steel girders could be placed, after which the steel roof beams could be erected, the reinforced concrete roof poured, waterproofed and the protection coat put on. The load of the trusses previously held on blocking, resting on the earth cores between the longitudinal trenches, could then be transferred onto the new roof and the blocking removed.

This work was started by first raising the tracks in Kenmore Station to a height of a little over two feet at the highest point. The Elevated Railway trackmen raised the tracks gradually by filling and tamping in a little each night as time permitted until the proper elevation was reached, after which the wooden stringers and platforms above referred to were placed. Exca-



PLATE VI.—VIEW IN ONE OF THE DRIFTS UNDER THE OLD SUBWAY.

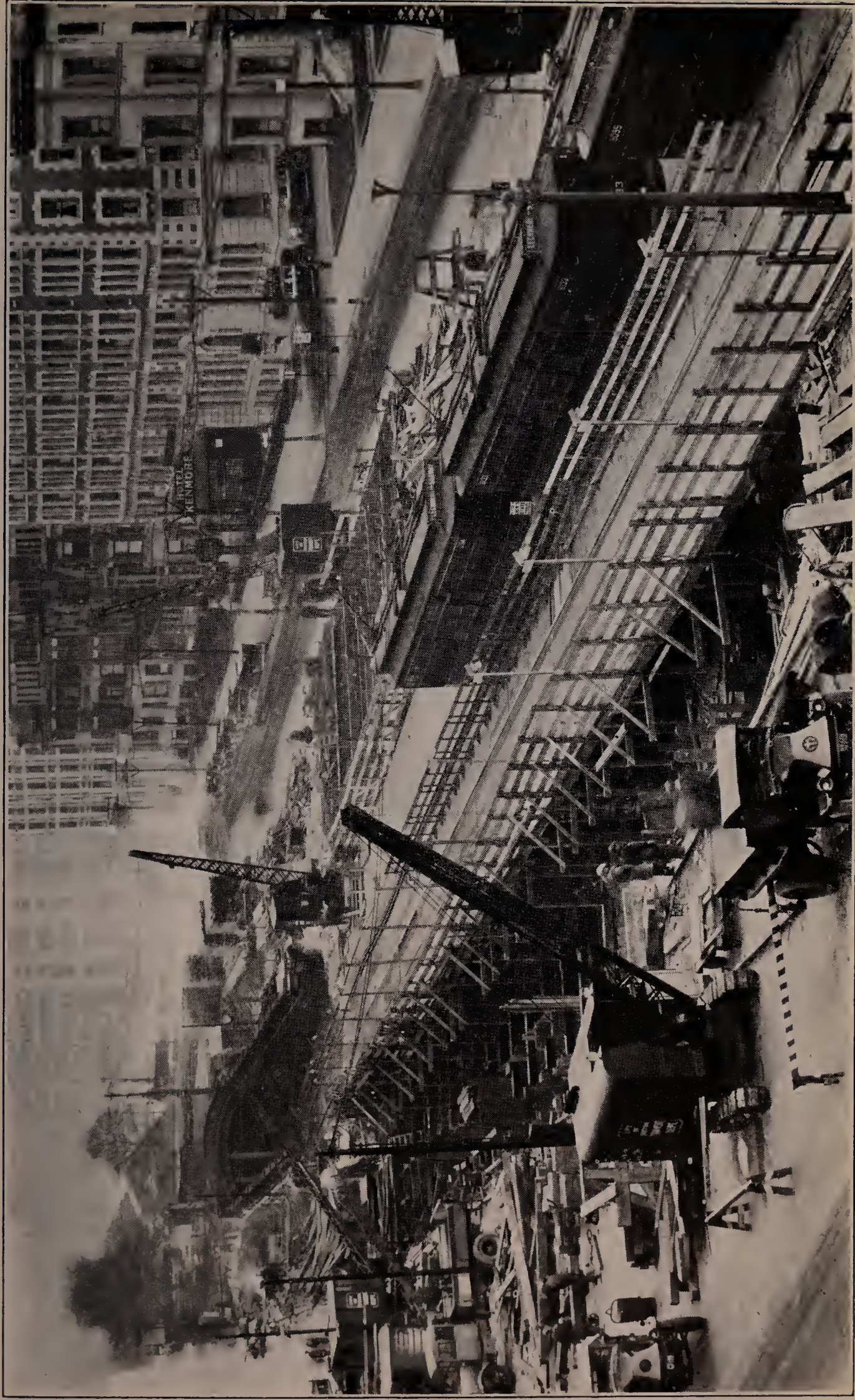


PLATE VII.—GENERAL VIEW OF KENMORE STATION TEMPORARILY SUPPORTED TO PERMIT CONSTRUCTION OF SUBWAY STATION BENEATH.

vation was then carried down by the night shift, posting down at different depths until it was possible to place the wooden trusses. As the excavation progressed in the different shafts, it became possible, also, for the day and the evening shifts to work under the bridging, the night shift then doing only that work which could not be done while cars were running.

The bridging and supporting work for the station has been completed and about one-third of the new subway roof built. Below the roof and between the column trenches are cores of earth which will later be taken out after which the concrete invert will be built. In addition to the column foundations, a large portion of the station sidewalls have been built by the trench method. The northerly wall has been carried as far to the west as is possible until the 40 and the 48-inch water mains are located. The southerly wall is about one-fourth complete.

Plate VII is a view at Kenmore Station showing temporary supports, platforms, etc., while construction is being carried on beneath.

The old brick sewer opposite Kenmore Street, crossing Commonwealth Avenue to Beacon Street has been replaced temporarily by a tight steel pipe sewer which will later be removed after a new concrete sewer is built across the roof of the new station.

RELOCATION OF WATER MAINS.

The present cast-iron water mains in Governor Square must be relocated to permit the building of the subway station and they will be replaced by two new welded steel water pipes, each 48" in diameter and $\frac{3}{4}$ " in thickness. One line will come down Beacon Street from the west, crossing Commonwealth Avenue and running under the northerly sidewalk, again crossing Beacon Street and connecting with the old cast-iron water pipe on Beacon Street. The other pipe will connect into the present pipe at Brookline Avenue near Governor Square and will run under Commonwealth Avenue South to a point about 100 feet west of Kenmore Street, where it will cross diagonally over the roof of the new subway station and then run down Commonwealth Avenue North to a point just east of the proposed subway car loop at which point it will connect with the old cast iron water pipe. When these new pipe lines are completed the new station and subway work can be carried farther to the west under Governor Square.

The contract for furnishing and delivering the new steel pipe was awarded to the Walsh Holyoke Steam Boiler Works and the pipe is now being made.

Additional equipment has been added to the plant as fast as it has been possible to open up new sections. Six gasoline derricks of the crawler type equipped with booms and also shovel arms have been added to the equipment. Two new gasoline-heated tar kettles of the latest type are used in connection with asphalt fabric waterproofing work.

The force has been increased to a total of 570 men and additional men will be added as fast as the work continues to expand.

The number of men on each shift is as follows: day shift — 330; evening shift — 110; and night shift — 130. Assistant Engineer William W. Lewis is in charge of the day shift; Assistant Engineer Harry T. Carroll, the evening shift; and Assistant Engineer Frederick C. H. Eichorn, the night shift. John J. Fallon, Jr., is general superintendent of the work.

A new plan has been prepared to extend the Beacon Street Subway portion of this work out to a point beyond Audubon Circle with an open incline coming up to the surface at St. Mary's Street. This plan now awaits the approval of the Department of Public Utilities and upon its acceptance preparations will be made to proceed with the additional construction in connection with the present Governor Square work.

DORCHESTER RAPID TRANSIT.

SHAWMUT STATION.

The ventilation shaft at Shawmut Station which was described in the last annual report and which was in progress of construction at the close of the year was completed by the Brophy Construction Company during the month of January.

Tests were conducted by engineers of the department to determine the results obtained in eliminating the annoying air currents in the Shawmut Station as a result of the construction of the new ventilation shaft. The tests showed that the practical results were very close to the theoretical as determined from the model and investigations made in advance; namely, that this shaft would reduce the velocity of these currents about 50% and that if further reduction was desired another shaft to the north should be built.



PLATE VIII.—NEW PLATFORM CANOPY, MILTON STATION.

During the year a new walk with iron pipe rail fence was built across the roof of the subway platform just south of the headhouse of Shawmut Station. This was built at the request of the Boston Elevated Railway to give easy access to Sharp Street, which street has been recently accepted and resurfaced.

ADAMS STREET BRIDGE REPAIRS.

The old Adams Street Bridge over the right of way of the high speed trolley tracks near Cedar Grove required strengthening and resurfacing. Plans and estimates were made for rebuilding the entire bridge, locating the abutments further apart to give clearance sufficient for third-rail trains, should the third-rail system be later extended beyond Ashmont. Owing to the cost of rebuilding the entire bridge, it was decided to postpone the relocation of the abutments until the extension was definitely decided upon, and in the meanwhile, to repair the floor of the old bridge.

The old bridge has a wooden floor supported by steel beams and girders. The old wooden floor which is badly rotted is being removed and the steel work repaired where necessary and scraped and painted by the department's ironworkers. New wooden floor beams and planking will be put on. The surface planking will be asphalt planking, $1\frac{1}{2}$ " thick. One-half of the bridge is being done at a time, thereby keeping the bridge open for traffic. This work is under the charge of Assistant Engineer Joseph P. Dever.

CANOPIES FOR HIGH SPEED TROLLEY CAR STATIONS.

At the request of the Boston Elevated Railway, plans and specifications were prepared and proposals asked for the construction of canopies over the inbound station platforms of the Cedar Grove, Milton, Central Avenue and Valley Road Stations of the high speed trolley line of the Dorchester Rapid Transit. These canopies are each about 100 feet in length and are built with steel posts and girders and have a wooden roof covered with a tar and gravel roofing and are drained by copper downspouts. The contract was awarded to the John Bowen Company in September and the work was completed on November 20.

Plate VIII shows the new canopy at Milton Station.

A section of concrete curb and wire fence about 300 feet in length, running along the northerly side of Eliot Street, Milton,

near the Adams Street Bridge was constructed during the month of October. This replaced the temporary wooden fence which had been built to allow the backfill in the deep cut at this point to settle.

The concrete curb was built by A. G. Tomasello & Sons, Inc. The woven wire fence was installed by P. J. Dinn & Company.

At Mattapan Station an addition of about 400 feet of 6' woven wire fence on the easterly side of the parking area was constructed by P. J. Dinn & Company and an alteration to the curb and wire fence near the busway was made by the Banspar Construction Company.

CAPEN STREET STOP-ON-SIGNAL STATION.

The residents near Capen Street, Milton, requested the Elevated Railway for a station at the location where the high speed trolley line crosses Capen Street in Milton. The nearest station to this district was the Mattapan Terminal, but as there was no bridge available for pedestrians across the Neponset River at this point, it was difficult to reach. The station at Valley Road was also some distance away. The Elevated Railway, therefore, agreed to ask the department to construct a stop-on-signal station at Capen Street. The station was constructed by building two gravel side platforms about 12' wide and 100' long. The gravel was topped with an asphalt binder — giving a firm surface. The station is well lighted at night by a series of lights strung lengthwise over the centers of the platforms.

The construction work was done by the Banspar Construction Company and completed in September.

Plate IX shows the Capen Street stop-on-signal station.

EAST BOSTON TUNNEL ALTERATIONS.

Additional ventilation facilities were required for the repair shops under Chelsea Street, East Boston. The shaft built on the sidewalk near Emmons Street contained an elevator well and an air shaft, and to this air shaft a galvanized metal duct was led from the shop. A small Sturtevant blower driven by an electric motor was installed in the shop and when put in operation greatly improved conditions. The metal work was installed by the department's men, the blower being installed by the manufacturer.



PLATE IX.—CAPEN STREET STOP-ON-SIGNAL STATION.

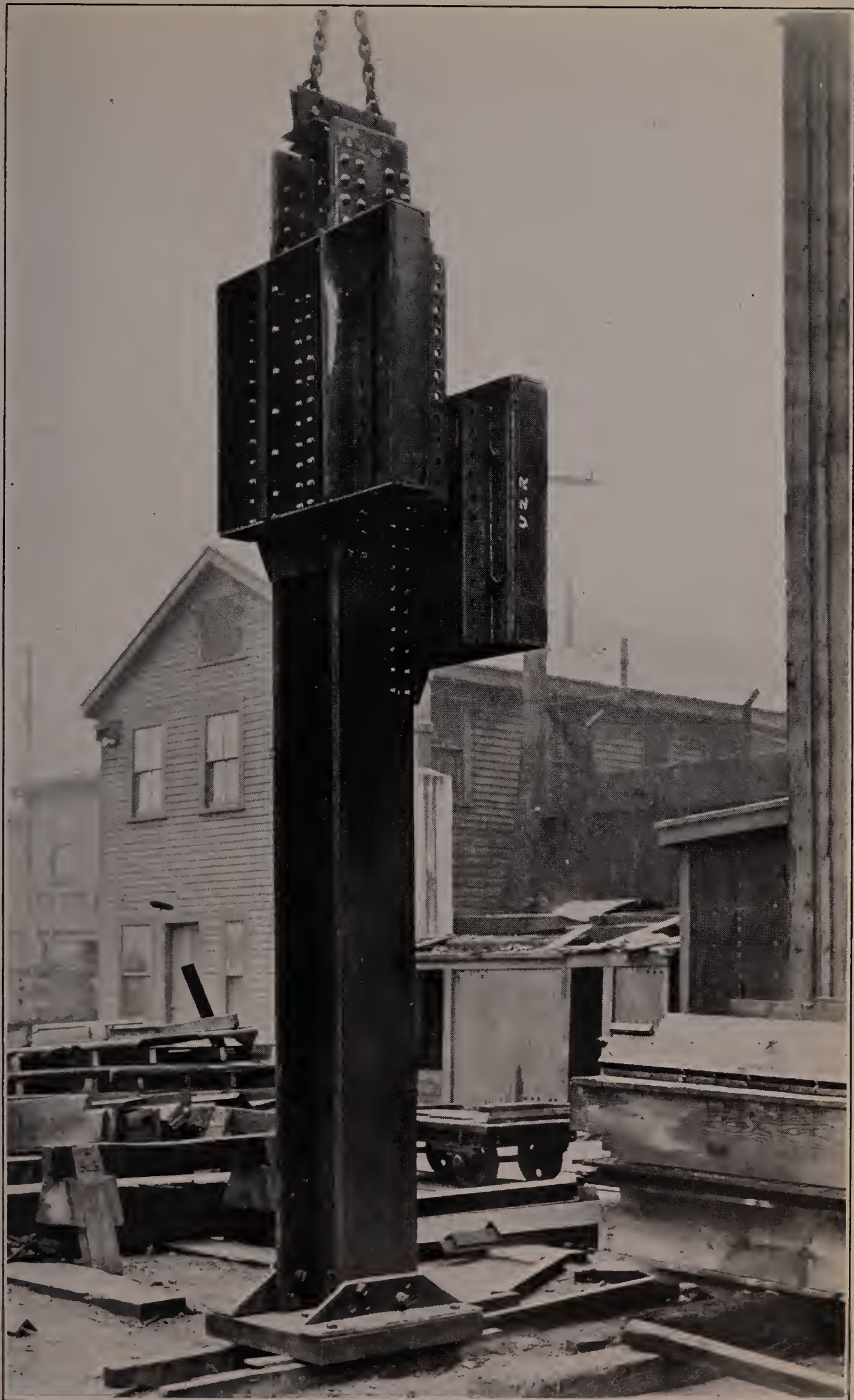


PLATE X.—TYPICAL COLUMN DESIGNED FOR HEAVY EC-
CENTRIC LOADING AT PARK STREET STATION.

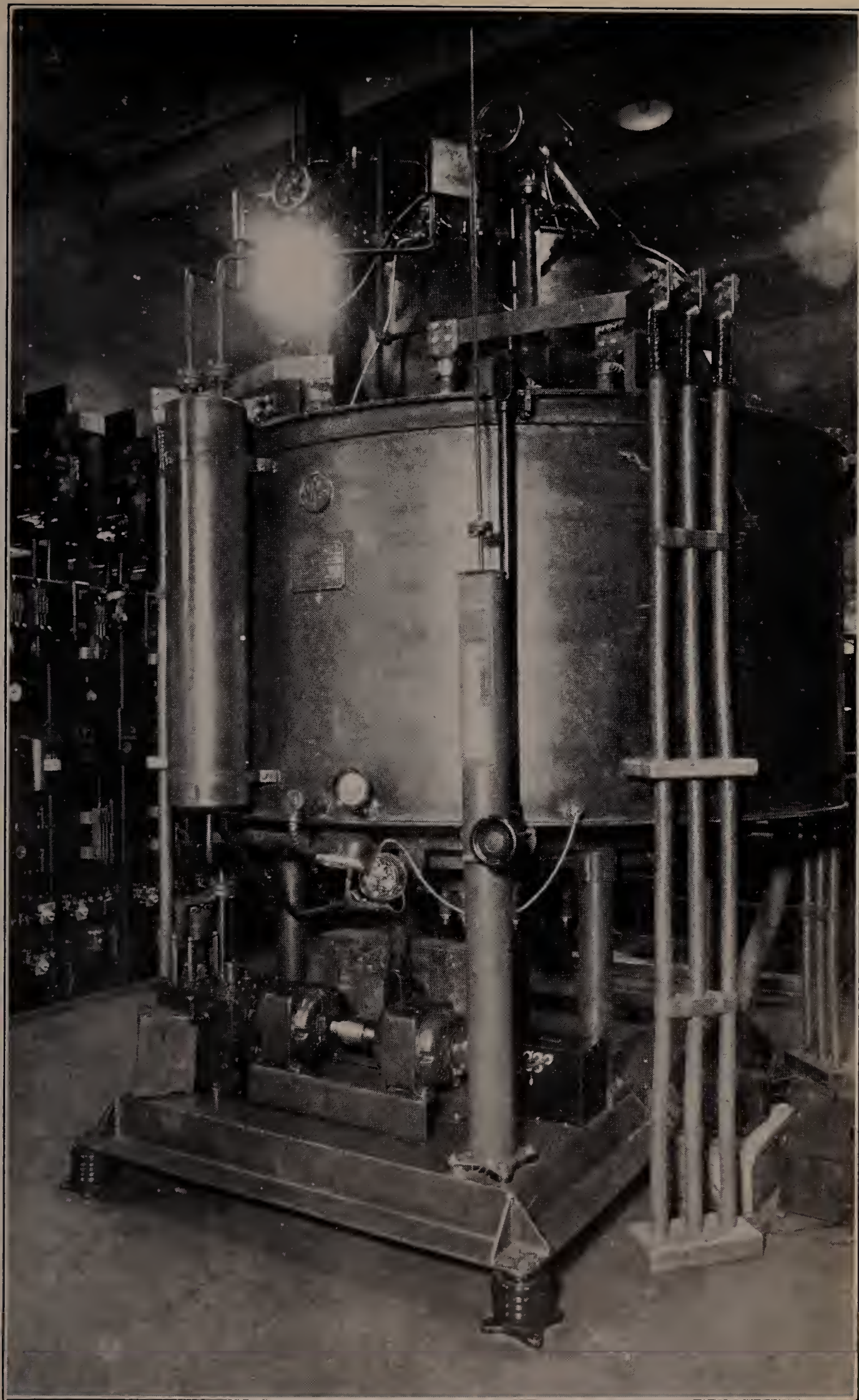


PLATE XI.—INTERIOR OF NEWBURY SUBSTATION SHOWING
MERCURY-ARC RECTIFIER.

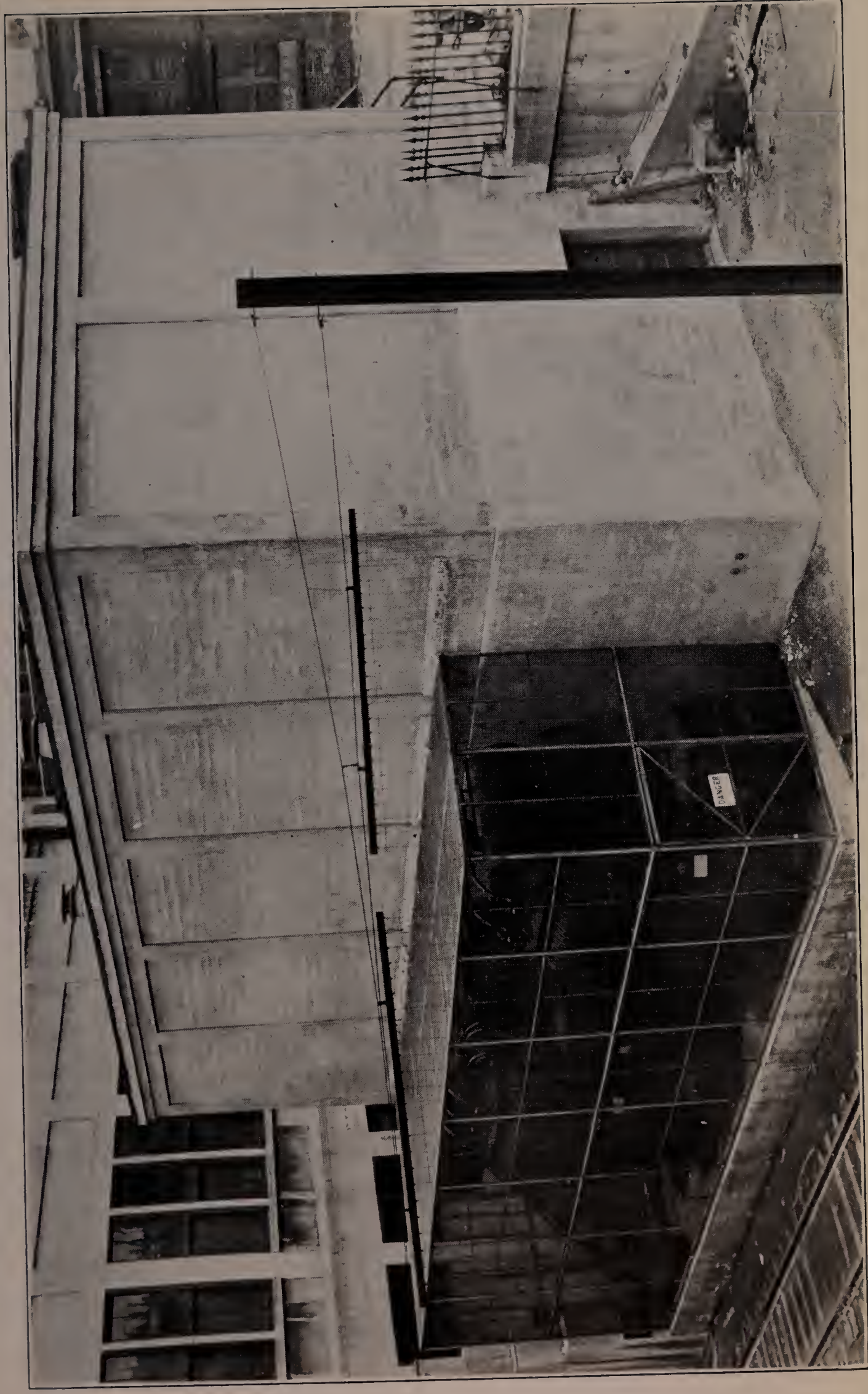


PLATE XII.—NEWBURY SUBSTATION.

PARK STREET STATION COLUMN CHANGES.

Work of changing over and relocating certain of the columns in the old Park Street Station, which was in progress at the close of the year, was continued during the early months of the year, and the work was completed in March. The work was such that it could only be carried on nights, most of it after midnight. It was done by the department's ironworkers and mechanics and successfully completed without any settlement to the roof or walk above. The new columns were of special design, required to take eccentric loads in most cases. The columns were fabricated at the department's steel shop, South Boston.

Plate X shows one of the Park Street Columns with brackets required for the heavy eccentric loads.

NEWBURY SUB-STATION, BOYLSTON STREET SUBWAY.

Plans and specifications were prepared by the department for a new sub-power station to be built in the rear of the Massachusetts Surface Station and located partly over the roof of the Massachusetts Subway Station. The building is 26 x 56 feet in area, two stories high and is constructed of reinforced concrete and steel. It has a transformer platform for outdoor oil cooled transformers on the south side adjacent to the Boston & Albany R. R. tracks. The building is to house two 3,000 Kilowatt Mercury-Arc Rectifiers and is the largest automatically operated and controlled sub-station of this type in New England.

A contract was let to J. A. Singarella and work started in April.

Concrete footings were provided by sinking caissons to proper bearing about 12 feet below the surface. These caisson footings were 3 feet in diameter, with footing flaring out to a diameter of from 5' to 8'.

The contract was completed on July 10, 1930 and equipment is now being installed by the Power Department of the Elevated Railway.

Plate XI is an interior view showing one of the Mercury Arc Rectifiers.

Plate XII is a view of the completed sub-station.

CYPER STREET YARD.

The increased amount of construction work by the department has necessitated increasing the yard force during the year in order to handle the large amount of steel, asphalt, waterproofing materials, reinforcing rods, equipment, tools and other materials required in the work. The number of men in the steel shop was temporarily increased to keep us with additional demand for fabricated steel. The yard and shops as in the preceding year, have been under the supervision of Assistant Engineer Samuel C. Lyman.

TESTING MATERIALS.

The inspection of all construction work has been done by the department's inspectors. In addition to field inspection, mill and laboratory tests of materials have been made as in the previous year.

Physical tests of concrete cylinders have been made by Skinner, Sherman, Esseler, Inc., which firm also made chemical analyses of foul air encountered on construction work to determine the amount of hydrogen sulphide and other gases.

Reinforcing rods, structural steel and welded steel water pipe have been inspected by William R. Conard.

Physical tests of all lots of cement received have been made by Mr. Charles N. Ryan, Cement Tester, Public Works Department.

Chemical and physical tests of waterproofing and asphalt have been made by Mr. Hiram Y. Waterhouse, Chemist, Public Works Department.

ENGINEERING FORCE.

The names of those members employed for more than one month are given in Appendix C.

Respectfully submitted,

ERNEST R. SPRINGER,
Chief Engineer.

APPENDIX A.

[CHAP. 394, ACTS OF 1930.]

AN ACT PROVIDING FOR THE ELIMINATION OF THE CROSSING AT GRADE AT GOVERNOR SQUARE IN THE CITY OF BOSTON BY STREET RAILWAY CARS USING THE BOYLSTON STREET SUBWAY.

Be it enacted, etc., as follows:

SECTION 1. Chapter three hundred and forty-one of the acts of nineteen hundred and twenty-five is hereby amended by striking out section two and inserting in place thereof the following:— *Section 2.* The transit department of the city of Boston may make such alteration in and extensions to the Boylston street subway as it may deem necessary for the purpose of eliminating the crossing at grade of Governor square by cars using said subway, for the improvement of street car service on Commonwealth avenue and Beacon street, for the purpose of providing means for a convenient interchange of passengers between cars or trains operated in said subway and those operated on surface lines connecting therewith and for improving the transportation facilities furnished in said subway, and to that end shall have the powers conferred upon the Boston transit commission by chapter seven hundred and forty-one of the acts of nineteen hundred and eleven and amendments thereof. Said alterations and extension shall be so designed and constructed that cars from both Beacon street and Commonwealth avenue can be operated through said Boylston street subway. To meet the cost of such alterations and extensions, the city of Boston may issue bonds (hereinafter called subway bonds) to an amount not exceeding three million one hundred thousand dollars increased by such amount, if any, as may be agreed upon by said transit department and the Boston Elevated Company, hereinafter called the company, in the event that alterations in the plan originally approved are agreed upon and approved as hereinafter provided, in the same manner as bonds issued, to meet the original cost of the Boylston street subway, and all rentals or other payments received by said city under this act shall be so far as necessary for the payment of interest on said bonds and the balance shall be used for the payment of the principal thereof.

To meet any additional cost of such alterations and extensions over and above the amount of subway bonds hereinbefore authorized to be issued, the treasurer of the city of Boston, without any other authority than that contained in this act, shall from time to time on request of the transit department issue and sell at public or private sale bonds of the city to an amount sufficient to provide funds for the payment of such additional cost, which bonds shall be outside the statutory limit of indebtedness. Each authorized issue of bonds shall constitute a separate loan. The bonds shall be designated on their face, Governor Square Improvement Bonds, Act of 1930; shall be in such form of coupon bonds or registered bonds without coupons or coupon bonds exchangeable for registered bonds as the treasurer

of the city shall determine; shall be for such terms not exceeding fifty years from the dates of issue as the mayor and treasurer of the city shall determine; shall bear interest in accordance with the provisions of chapter fifty-two of the Special Acts of nineteen hundred and eighteen, and shall be payable by such annual payment as will extinguish the same at maturity and so that the first of said annual payments on account of any loan shall be made not later than one year after the date of the bonds issued therefor and that the amount of said payments in any year on account of such loan shall not be less than the amount of the principal of the loan payable in any subsequent year. The said annual amounts, together with the interest on the loan, shall without further action be assessed until the debt is extinguished.

No such work shall be done, however, unless and until a plan therefor shall be approved by the department of public utilities, and unless and until a contract between the city of Boston and the company shall have been executed for the sole and exclusive use by the company of such alterations and extensions for a term ending upon the termination of the lease of said subway. Any plan so approved may be altered at any time by a new plan approved in like manner except that after the execution of said contract for use no such alteration shall be made without the consent thereto of the company in writing. The contract shall be in the same general form as those authorized by said chapter seven hundred and forty-one, except insofar as any other provisions may be agreed upon by said transit department and the company as specially applicable to the demised premises. The net cost of such alterations and extensions shall be determined in the manner provided in said chapter seven hundred and forty-one but for the purposes of determining the rental shall not be deemed to exceed three million one hundred thousand dollars, increased by any sum which may be agreed upon by said transit department and the company in the event that alterations of the plan originally approved are later agreed upon by them and approved as aforesaid. The rental shall be payable annually on the twenty-fifth day of July in each year. Any alteration or extension made under this act shall be deemed a part of the Boylston street subway. Such contract for use shall provide that the company shall pay to the city of Boston for each full year ending with the last day of June, and ratably for any portion of a year, an annual rental, which shall be sufficient to provide an amount equal to one half of one per cent of the net cost of such alterations and extensions in addition to the annual amount of interest on the subway bonds issued to pay for said net cost, but not less than four and one half per cent of said net cost in any event; provided, however, that said annual rental shall be payable by the company in any year only if and to the extent that the reserve fund provided for by section five of chapter one hundred and fifty-nine of the Special Acts of nineteen hundred and eighteen exceeds on the last day of June the amount originally established, such excess to be determined and obligation to pay such rental to accrue in priority to any reimbursement of the commonwealth under sections eleven and thirteen of said chapter one hundred and fifty-nine. If by virtue of the foregoing proviso the company does not make the full rental payments as above provided, the commonwealth shall, during the term of said contract and until the subway bond issued by the city of Boston under this section shall have

been paid, or a sinking fund accumulated sufficient to pay the same at maturity, pay to the city of Boston on or before August first in each year one half of any amounts so unpaid, and the city of Boston shall place the other half in its next ensuing tax levy.

On application of the city of Boston, the department of public utilities shall determine the amount so to be paid by the commonwealth. In order to provide for any such payment, the state treasurer may borrow as provided in section eleven of said chapter one hundred and fifty-nine. In case the commonwealth shall be called upon to make any payments hereunder, the amount thereof, with interest or other charges incurred in borrowing money for the purpose, shall be assessed upon the cities and towns which paid assessments under the last preceding assessment under section fourteen of said chapter one hundred and fifty-nine in proportion to the amounts paid, and shall be assessed and collected in the manner provided in said section fourteen.

SECTION 2. Said chapter three hundred and forty-one is hereby further amended by striking out section three and inserting in place thereof the following:— *Section 3.* If, as of the last day of June in any year during the period of public operation of the company under the provisions of said chapter one hundred and fifty-nine, the reserve fund provided for in said chapter shall, after deducting the amount of the annual rental herein provided for, exceed the amount originally established, the trustees of the Boston Elevated Railway Company shall apply the excess, so far as necessary, to reimburse the commonwealth for all amounts paid by the commonwealth to the city of Boston under the provisions of section two of this act, and in priority to any reimbursement of the commonwealth under sections eleven and thirteen of said chapter one hundred and fifty-nine.

SECTION 3. Said chapter three hundred and forty-one is hereby further amended by adding at the end thereof the three following new sections:— *Section 4.* Upon and after the termination of public operation of the company under said chapter one hundred and fifty-nine the reserve fund established under the provisions of section five of said chapter shall, except as provided in section thirteen of said chapter and in this act, be used only for the purpose of making good any deficiency in income if the same is insufficient to meet the cost of the service as defined in said chapter, and whenever, on the other hand, such income is more than sufficient to meet the said cost of the service, the excess shall be transferred to and become a part of the reserve fund.

Section 5. Upon and after such termination of public operation, the company shall, on or before the thirty-first day of July in each year, report to the state treasurer the amount, if any, by which said reserve fund on the preceding thirtieth day of June, after deducting the amount of the annual rental herein provided for, exceeded the amount originally established, and the company shall thereupon pay over such excess insofar as necessary to reimburse the commonwealth for all amounts paid after such termination of public operation, by the commonwealth to the city of Boston under the provisions of section two of this act. If the state treasurer or the attorney general is not satisfied as to the correctness of said report, either may, at any time within sixty days after its receipt, petition the department of public utilities for a determination of such excess and said depart-

ment shall determine the same. If the amount of such excess, so determined, is greater than the amount originally reported, the balance shall be paid by the company to the commonwealth within twenty days from the date of such determination.

Section 6. Any amounts reimbursed to the commonwealth under the provisions of this act shall be distributed among the cities and towns assessed under this act in proportion to the amounts so assessed.

SECTION 4. This act shall take effect upon its acceptance both by vote of the city council of the city of Boston, approved by the mayor, and by the Boston Elevated Railway Company by vote of its board of directors, and upon the filing of certificates of such acceptances with the state secretary; provided, that such acceptances, approval and filing occur during the current year. For the purpose of such acceptances, this act shall take effect upon its passage.

Approved May 28, 1930.

APPENDIX B.

CONTRACT FOR USE OF ALTERATIONS IN AND EXTENSIONS TO THE
BOYLSTON STREET SUBWAY.

I.— This contract made this thirtieth day of June in the year one thousand nine hundred and thirty by and between the city of Boston, hereinafter called the city, acting by the Transit Department of the City of Boston, hereinafter called the department, under and by virtue of an act of the Commonwealth of Massachusetts entitled “An Act Providing for the Elimination of the Crossing at Grade at Governor Square in the City of Boston by Street Railway Cars using the Boylston Street Subway, and Defining the Term ‘Transit Department of the City of Boston’ as Used in Certain Statutes”, being chapter three hundred and forty-one of the acts of the year one thousand nine hundred and twenty-five, as amended by an act of the Commonwealth of Massachusetts entitled “An Act Providing for the Elimination of the Crossing at Grade at Governor Square in the City of Boston by Street Railway Cars using the Boylston Street Subway”, being chapter three hundred and ninety-four of the acts of the year one thousand nine hundred and thirty, hereinafter called the act, and the Boston Elevated Railway Company, hereinafter called the company, witnesseth as follows:

II.— The city, pursuant to the act and in consideration of the covenants and agreements herein contained, grants to the company the sole and exclusive use of the alterations in and extensions to the Boylston street subway, hereinafter called the premises, as defined in the act and to be constructed under authority thereof and substantially in accordance with the plan prepared by the department numbered 17134 and entitled “City of Boston — Transit Department Plan Showing Alterations in and Extensions to the Boylston St. Subway Authorized by Chapter 394 of the Acts of 1930”, approved by the department of public utilities June 19, 1930 (D.P.U. 3935) and any alteration or alterations thereof agreed upon and approved as provided in the act, such grant being for the purposes provided in the act and such other uses as are hereinafter specified. No alteration of said plan shall be made without the consent of the company thereto in writing.

III.— The use shall begin when in the opinion of the department a reasonable time after completion has been allowed for equipment.

IV.— The term of years of the use shall extend from the beginning of the use to the expiration or termination of the contract now in existence between the city and the company for the use and operation of the Boylston street subway.

V.— The company at the dates hereinafter provided shall pay to the city for each full year ending with the last day of June and ratably for

any portion of a year an annual rental for the premises which shall be sufficient to provide an amount equal to one-half of one per cent. of the net cost of the premises in addition to the annual amount of interest on the Subway Bonds, as defined in the act, issued to pay for said net cost, but not less than four and one-half per cent. of said net cost in any event; provided, however, that said annual rental shall be payable by the company in any year only if and to the extent that the reserve fund provided for by section five of chapter one hundred and fifty-nine of the Special Acts of nineteen hundred and eighteen exceeds on the last day of June the amount originally established, such excess to be determined and obligation to pay such rental to accrue in priority to any reimbursement of the commonwealth under section eleven and thirteen of said chapter one hundred and fifty-nine.

The said net cost shall be deemed to include, except as is otherwise provided herein, all expenditures incurred in acquisition and construction including damages, expenses and salaries of the department and the interest on the debt incurred in construction prior to the beginning of the use of the premises for which Subway Bonds shall have been issued.

For the purpose of ascertaining the rental there shall be deducted from the cost the proceeds of sales and leases of lands, or rights or interests in lands or other property acquired by the department in connection with the construction of the premises, and the proceeds of sales or leases of buildings or other structures upon land so acquired, and the fair valuation of any such lands and other property no longer needed for the purposes of the act but not actually sold, as agreed upon by the department and the company, or in case of difference as determined by the department of public utilities. In ascertaining the net cost any interest received by the city upon the proceeds of Subway Bonds issued by it prior to the expenditure of such proceeds shall be credited against interest during construction.

For the purpose of ascertaining or determining the rental, however, the net cost shall not be deemed to exceed three million one hundred thousand dollars, increased by such sum or sums, if any, as may be agreed upon by the department and the company in the event that alterations in said plan numbered 17134 approved by the department of public utilities, June 19, 1930, are later agreed upon by the department and the company and approved as provided in the act.

The rental shall begin when the use begins.

The rental shall be paid to the city annually on the twenty-fifth day of July in each year and ratably for any portion of a year.

If at any time during the continuance of the term of this contract the company shall be deprived in whole or in part of the use of the premises or of the Boylston street subway so as to prevent the practicable use of the whole or a part of the premises in connection with said subway by any cause not due to any act of the company, its agents, servants or licensees, in the use of the premises, or not due to any negligence on its or their parts, or not due to any failure of the company to maintain the premises in good order and condition as herein provided, then the rental or a just and reasonable part thereof, as agreed upon by the mayor of the city and the company or in case of difference as determined by arbitration as hereinafter provided, shall be suspended or abated during such deprivation.

VI.— The company shall suitably lay and maintain in first class condition railway tracks in proper places in the premises, together with the appointments and apparatus necessary for the safe and convenient operation of the same and shall provide and maintain all wires, electrical or other apparatus or equipment necessary or convenient for the furnishing of power and light therein and shall further provide requisite pumps, fans and ventilating apparatus and in general shall completely equip and furnish the premises with all machinery, piping, apparatus and furniture proper and adapted thereto and necessary for the convenient maintenance and operation of a railway therein and for the safety and accommodation of the passengers upon such railway.

All tracks, wires, appliances, fixtures, machinery, equipment, furniture and apparatus provided by the company shall be and remain the property of the company so long as it continues to occupy and use the premises under the provisions of this contract, and upon the termination of such use the city hereby agrees to take and pay for all such property at its then fair value as agreed upon by the mayor of the city and the company or in case of difference as determined by arbitration as hereinafter provided, and the company agrees to deliver to the city all such property at such valuation.

VII.— The company shall maintain the premises, except as to repairs below excepted, in good order and condition as a structure complete so far as consistent with the provisions of the act, and adapted to the maintenance and use of lines of railway, and shall at all reasonable times be entitled to a permit to open the streets and other public grounds of the city for the purpose of making requisite repairs to the premises, and when the right of the company or its assigns to use the premises shall terminate shall restore them to the city in good condition except as to repairs not obligatory upon the company.

All repairs to the premises shall be at the sole cost and expense of the company except such repairs as are made necessary by any cause not due to any act of the company, its agents, servants or licensees in the use of the premises, or not due to any negligence on its or their parts, or not due to any failure of the company to maintain the premises in good order and condition as herein provided and except repairs growing out of the location, maintenance or use of the wires or other apparatus which the city is hereinafter authorized to maintain in the premises; and if any repairs shall become necessary other than those which are to be made at the sole cost and expense of the company as above provided, then such repairs shall be made by the city. In the event of disagreement as to the responsibility for repairs to the premises, the same shall be made by the city and the responsibility for ultimate payment of the cost and expense thereof shall be determined by arbitration as hereinafter provided.

VIII.— The city shall not be responsible to the company for damages of any description resulting from any defects in the premises, whether structural or arising out of want of repair or from any cause after the use of the same by the company has begun as hereinbefore provided, unless such damage result from the location, maintenance or use of the wires or other apparatus which the city is hereinafter authorized to maintain in the premises; nor shall it be responsible for any damages resulting to

persons or property in the operation and use of the premises, including all parts thereof, whether on property belonging to the city or upon property the fee of which belongs to other parties, and the company shall hold the city harmless and indemnified therefrom and shall at its own expense upon due notice from the city defend all suits and other proceedings of every description, whether at law or in equity which may be brought against the city, its officers, servants or agents by reason of any liability arising out of the operation and use of any portion of the premises or of the railways, machinery and apparatus therein and accruing after the right to use such portion has begun as herein provided, and shall satisfy all final judgments of legal tribunals rendered in such suits and proceedings.

The foregoing provisions shall not be construed to impose any liability or obligation upon the company for any cause not due to any act of the company, its agents, servants or licensees, in the use of the premises, or not due to any negligence on its or their parts, or not due to any failure of the company to maintain the premises in good order and condition as herein provided; or for any cause growing out of the location, maintenance or use of the wires or other apparatus which the city is hereinafter authorized to maintain in the premises.

IX.— The company shall keep the premises thoroughly clean and free from unnecessary dampness, and the approaches to stations clean and free from ice and snow. When the premises are in use it shall suitably light the same in all parts and by means of artificial ventilation shall keep the air adequately pure for health and comfort.

X.— The company within the limitations of the act may make such alterations in or additions to the premises as may be approved by the department.

XI.— To the extent of the power of the company so to do and the power of the department to contract therefor, the company may make such uses of the premises, not impairing the use for transportation of passengers; as it may from time to time determine; provided, however, that such use shall not diminish or impair the safety, accommodation, convenience of comfort of passengers using the premises; and the company agrees that upon receipt of notice in writing at any time or from time to time from the department of public utilities that in its opinion such use, whether in whole or in part, in any way diminishes or impairs such safety, accommodation, convenience or comfort or conflicts in any way with the best interests of the public, it will forthwith to the extent specified in the notice discontinue such use.

XII.— The company, upon such terms as it may deem expedient, may permit any person or corporation not authorized to carry on a railway business but authorized to use and maintain wires, conduits, tubes or similar structures along the route of the premises to place such wires, conduits, tubes or similar structures within a corresponding portion of the premises used by the company, but only to such extent, and for such time as may be practicable without interfering with the safe and convenient operation of the railway and other apparatus which the company is hereby authorized to put therein, but the privilege shall not extend to gas or water pipes.

XIII.— The city may place in the premises such wires and apparatus as may be necessary for its police, traffic and fire-alarm service, to be used, however, exclusively for such service, and to be so located as not to interfere with the use of the premises which the company is hereby authorized to make. The location, construction, maintenance and repair of such wires and apparatus shall be subject to such reasonable directions and regulations as the company may impose or in case of any disagreement as the department of public utilities may determine.

XIV.— In the event of the failure of the company or its assigns to maintain and operate a railway within the premises, and if such failure shall have continued for three months, then the city upon three months' notice, such default still continuing, shall have the right to terminate this contract and to re-enter upon and repossess itself of the premises, unless such failure to maintain and operate grows out of any cause not due to any act of the company, its agents, servants or licensees, in the use of the premises, or not due to any negligence on its or their parts, or not due to any failure of the company to maintain the premises in good order and condition as herein provided. In case the right of re-entry and re-possession above given shall be exercised, all the tracks, wires, apparatus, equipment and other property in the nature of fixtures of the company or its assigns within the premises may be taken by the city and be paid for by it at a valuation to be determined as herein provided for the occasion when the same are to be surrendered by the company at the expiration of the term of this contract.

XV.— The company shall have no right at any time to remove from the premises any tracks, wires, apparatus, equipment or other property necessary to the use and maintenance of the premises and the operation of a railway therein, except for the purpose of repairs or renewal or for the substitution of equivalent structures, property, apparatus or equipment.

XVI.— The governor of the commonwealth, the mayor and commissioner of public works of the city, and the members of the department of public utilities and of the department, and their respective engineers shall at all times have free entry to the premises for the purpose of inspecting the same.

XVII.— In case of disagreement between the city acting by its mayor and the company as to the amount due for rental, or as to the suspension or abatement thereof as herein provided, or as to the valuation of the property upon the termination of the use herein contracted for, or on any matter as to which the method of arbitration is not hereinbefore provided for, the matter in dispute shall be left to the decision of three persons, one to be selected by the mayor of the city, one to be selected by the company, and the third by the two thus chosen. The report of the arbitrators, or the majority of them, shall be binding upon the parties hereto.

XVIII.— In respect of all matters arising under this contract where provision is made for action by the department or its approval of acts to be done by the company is required, it is provided and agreed that upon the termination of the existence of the department the authority to take such action shall vest in the city, which shall have all the rights, powers and

privileges and be subject to all the duties, restrictions and liabilities herein conferred or imposed upon the department in respect thereof; such powers to be exercised by the mayor, commissioner of public works and the city treasurer in place of the department or by such other officers as the city council may prescribe.

XIX.— With respect to the equipment, use and operation of the railway to be located in the premises and transportation thereon, the company is to have all the powers and privileges and be subject to all the duties, liabilities, restrictions and provisions set forth in general and special laws which now are or hereafter may be in force applicable to it.

XX.— This contract shall not in any respect impair any right which the commonwealth or the city, or any other licensee of the commonwealth may at any time have to take the railway properties of the company. In the event of such taking the compensation to be paid to the company shall not be enhanced by reason of this contract nor shall it be diminished because of the fact that without this contract the connection between different parts of said properties might be cut off.

XXI.— In so far as this contract is not in the same general form as those authorized by chapter seven hundred and forty-one of the acts of nineteen hundred and eleven, the provisions differing therefrom are agreed upon by the department and the company as specially applicable to the demised premises to the full extent of their authority so to do, but all provisions of law or existing contracts which are required by the act to be made a part of this contract are hereby incorporated by reference and made a part hereof, and it is understood and agreed that anything herein contained which is contrary to or inconsistent with the provisions of the act is and shall be void and of no effect.

IN WITNESS WHEREOF the parties hereto set their hands and seals the day and year first above written, the city of Boston acting by the department, pursuant to a vote of the department, its members not being bound in their personal capacity, and the Boston Elevated Railway Company, pursuant to a vote of its board of trustees, causing its name and corporate seal to be affixed to these presents by its treasurer thereto duly authorized.

		(Sgd)	
	THE CITY OF BOSTON	}	THOMAS F. SULLIVAN
(SEAL OF	by the		NATHAN A. HELLER
THE CITY	TRANSIT DEPARTMENT		ARTHUR B. CORBETT
OF BOSTON)	of the		
	CITY OF BOSTON		
	BOSTON ELEVATED RAILWAY COMPANY		
	(Sgd) HENRY L. WILSON,		SEAL OF BOSTON
			ELEVATED RAIL-
			WAY COMPANY.
			<i>Treasurer.</i>

APPROVED AS TO FORM

(Sgd) SAMUEL SILVERMAN,
Corporation Counsel, City of Boston.

APPROVED

(Sgd) JAMES M. CURLEY,
Mayor of Boston.

At a regular meeting of the Transit Department held on June 30, 1930, the foregoing contract or lease being under consideration it was

“VOTED, that the contract for sole and exclusive use or lease of the alterations in and extensions to the Boylston street subway in the form now under consideration be executed by the department in the name and behalf and under the seal of the City of Boston and that as evidence thereof the same be signed by members constituting a majority of the department.”

Attest:

(Sgd) EDWARD F. CONDON,
Secretary.

At a meeting of the Board of Directors of the Boston Elevated Railway Company duly called and held June 26, 1930, a quorum being present and voting, the following vote was adopted:

WHEREAS, the Board of Trustees of the Boston Elevated Railway Company on June 18, 1930 voted “That the Board of Directors of the Boston Elevated Railway Company be requested to consent to the making by the Board of Trustees of the Boston Elevated Railway Company in the name and on behalf of the Company of a contract for the sole and exclusive use by the Company of the alterations in and extensions to the Boylston Street Subway as authorized and defined in Chapter three hundred and forty-one of the Acts of nineteen hundred and twenty-five as amended by chapter three hundred and ninety-four of the Acts of the year nineteen hundred and thirty, upon the terms and conditions provided in said Act as so amended;” and

WHEREAS, a form of contract with the City of Boston for the exclusive use of alterations in and extensions to the Boylston Street Subway, in accordance with the plan prepared by the Transit Department of the City of Boston, No. 17134, entitled “City of Boston — Transit Department Plan Showing Alterations in and Extensions to the Boylston St. Subway Authorized by Chapter 394 of the Acts of 1930”, approved by the Department of Public Utilities, June 19, 1930 (D.P.U. 3935) to be constructed under and in accordance with Chapter 341 of the Acts of 1925, as amended by Chapter 394 of the Acts of 1930, has been presented to the meeting; and

WHEREAS, Mr. Frederic E. Snow, General Solicitor for this Board, advises that said contract is in due and proper form —

On motion duly made and seconded, it was

VOTED. That the consent is hereby given to the making of said contract for use by the Board of Trustees of the Boston Elevated Railway Company in the name and on behalf of the Company.

I hereby certify that the foregoing is a true copy of a vote adopted by the Board of Directors of the Boston Elevated Railway Company at a meeting duly held on the Twenty-sixth day of June, 1930.

Attest:

(Sgd) WILLIAM L. BARNARD
*Secretary, Board of Directors,
Boston Elevated Railway Company.*

(Sgd) CHARLES B. GLEASON
*Clerk, Boston Elevated Railway
Company.*

A form of contract with the City of Boston for the exclusive use of alterations in and extensions to the Boylston Street Subway, in accordance with the plan prepared by the Transit Department of the City of Boston, No. 17134, entitled "City of Boston — Transit Department Plan Showing Alterations in and Extensions to the Boylston St. Subway Authorized by Chapter 394 of the Acts of 1930", approved by the department of public utilities, June 19, 1930 (D. P. U. 3935) to be constructed under and in accordance with Chapter 341 of the Acts of 1925, as amended by Chapter 394 of the Acts of 1930, having been presented to the meeting, it was

VOTED: That Henry L. Wilson, Treasurer, be authorized in the name and on behalf of the Boston Elevated Railway Company to sign, seal, acknowledge and deliver said contract for use provided the Board of Directors of the Boston Elevated Railway Company consent to the making of said contract by this Board.

I hereby certify that the foregoing is a true copy of vote adopted by the Board of Trustees of the Boston Elevated Railway Company at a meeting duly held on the Twenty-fifth day of June, 1930.

Attest:

(Sgd) EMMA E. MULLEN
*Recording Secretary of Board of
Trustees of the Boston Elevated
Railway Company.*

(Sgd) CHARLES B. GLEASON
*Clerk, Boston Elevated Railway
Company.*

At a regular meeting of the Transit Department held on June 30, 1930 it was

"*VOTED*, that the Chairman be authorized to acknowledge the foregoing instrument in the name and behalf of the department to be the free act and deed of the City of Boston."

Attest:

(Sgd) EDWARD F. CONDON
Secretary.

COMMONWEALTH OF MASSACHUSETTS.

SUFFOLK SS

BOSTON, June 30, 1930.

Then personally appeared Thomas F. Sullivan, Chairman of the Transit Department of the City of Boston, and acknowledged the foregoing instrument in the name and behalf of said department to be the free act and deed of the City of Boston.

Before me,

(Sgd) EDWARD F. CONDON
Notary Public.

APPENDIX C.

December 31, 1930.

The names of those who have been employed in the Engineering Division for more than one month during the period covered by this report are given below, together with an indication of the principal work upon which they have been engaged.

WILBUR W. DAVIS, *Assistant Chief Engineer*. In general charge of construction

LEONARD B. HOWE, *Designing Engineer*. In general charge of designing.

Assistant Engineers.

THOMAS N. ASHTON. Designs and details, Traffic Tunnel and Boylston Street Subway Extension.

JOHN A. BERRIGAN. Alignment calculations, plans and designs, Traffic Tunnel and Boylston Street Subway Extension.

THOMAS A. BERRIGAN. Plans and designs for reinforced concrete and steel work, Traffic Tunnel and Boylston Street Subway Extension.

RALPH F. BOUDREAU. Surveys, Traffic Tunnel.

JAMES D. BURNS. Plans and designs for steel work, Traffic Tunnel and Boylston Street Subway Extension.

HARRY T. CARROLL. Supervision of construction, Boylston Street Subway Extension. Surveys, Traffic Tunnel.

STANLEY J. CLIFFORD. Plans, Traffic Tunnel and Boylston Street Subway Extension. Surveys, Traffic Tunnel.

JOHN J. CUMMINGS. Plans and details, Traffic Tunnel and Boylston Street Subway Extension.

LESTER S. DANIELS. Record plans, Dorchester Rapid Transit. Damage claims, Section K, Dorchester Tunnel. Supervision of lines and grades, Boylston Street Subway Extension.

JOSEPH P. DEVER. Studies, specifications and estimates for Traffic Tunnel and Boylston Street Subway Extension. Supervision, Adams Street Bridge Alterations.

ROBERT B. FARWELL. Supervision of surveys, Traffic Tunnel.

RALPH A. FISHER. Designs and details of structural steel and reinforced concrete structures, Traffic Tunnel and Boylston Street Subway Extension.

LAURENCE R. FLYNN. Accounts and Calculations, Traffic Tunnel and Boylston Street Subway Extension.

LOUIS J. HARRIGAN. Designs and detail plans for sewers, etc., Traffic Tunnel and Boylston Street Subway Extension.

HERBERT D. HURLEY. Research work and studies for ventilation, Traffic Tunnel. Designs and details for ventilation buildings, Traffic Tunnel.

GEORGE G. HYLAND. Lines and Grades, Boylston Street Subway Extension.

- JOHN M. KENNEY. Plans and details for Traffic Tunnel and Boylston Street Subway Extension.
- WILLIAM W. LEWIS. Supervision of construction, Boylston Street Subway Extension and Newbury Substation.
- BENJAMIN A. LOVELAND. Designs and details for structural steel and reinforced concrete structures, Traffic Tunnel and Boylston Street Subway Extension.
- SAMUEL C. LYMAN. In charge of stockyard and steel shop at Cypher Street.
- ARTHUR V. LYNCH. Supervision of calculations, taking plans, designs and details plans for Traffic Tunnel and Boylston Street Subway Extension.
- HARRY H. LYNN. Plans and details, Traffic Tunnel and Boylston Street Subway Extension.
- HARRY F. SAWTELLE. Supervision of designs and details for structural steel and reinforced concrete structures, Traffic Tunnel, Boylston Street Subway Extension.
- HERBERT R. STEARNS. Supervision of track alignment calculations, taking plans, designs and detail plans for Traffic Tunnel and Boylston Street Subway Extension.
- LEO S. STONE. Estimates and specifications, Traffic Tunnel and Boylston Street Subway Extension.
- EDWARD SULESKY. Designs and details for structural steel and reinforced concrete structures for Traffic Tunnel and Boylston Street Subway Extension.
- ARTHUR W. VOSE. Supervision of detail plans, etc., Traffic Tunnel and Boylston Street Subway Extension.
- DAVID B. WEDEN. Designs and details for structural steel and reinforced concrete structures for Traffic Tunnel and Boylston Street Subway Extension.

Draftsmen.

- JAMES BALLANCE. Plans, Traffic Tunnel.
- HENRY W. BENSON. Electrical design, Traffic Tunnel.
- WILLIAM A. BENTON. Plans, Boylston Street Subway Extension.
- BORIS BERESTNEFF. Designs and plans for Traffic Tunnel and Boylston Street Subway Extension.
- * ROBERT R. BROWN. Plans, Boylston Street Subway Extension.
- VINCENT CAVANAUGH. Plans, Boylston Street Subway Extension.
- ALEXANDER B. DAYTZ. Designs, Boylston Street Subway Extension.
- WALTER A. FORD. Plans, Boylston Street Subway Extension.
- ROBERT D. GARDNER. Plans, Traffic Tunnel and Boylston Street Subway Extension.
- * HOWARD G. GILBERT. Plans, Boylston Street Subway Extension.
- GEORGE W. GILE. Plans, Boylston Street Subway Extension.
- JOHN C. GROGAN. Cost Accounting, Boylston Street Subway Extension.
- IRWIN J. HENNESSY. Plans, Boylston Street Subway Extension and Traffic Tunnel.
- JOHN F. HOWARD. Plans, Traffic Tunnel and Boylston Street Subway Extension.

* Left the employ of the Transit Department.

- J. E. HUARD, JR. Plans, Boylston Street Subway Extension.
 EVERETT K. ISAACS. Electrical design, Traffic Tunnel.
 FRANCIS MAHONEY. Plans, Traffic Tunnel and Boylston Street Subway Extension.
 SIDNEY H. C. PERROW. Ventilation building plans, Traffic Tunnel.
 RALPH A. PLUNKETT. Plans and details, Traffic Tunnel and Boylston Street Subway Extension.
 HARRY W. POULAS. Plans, Traffic Tunnel and Boylston Street Subway Extension.
 KENNETH W. ROBIE. Plans, Traffic Tunnel and Boylston Street Subway Extension.
 KARL R. SAUNDERS. Plans and details for Traffic Tunnel and Boylston Street Subway Extension.
 FRANCIS W. VOGEL. Plans and deeds, Traffic Tunnel. Plans, Boylston Street Subway Extension.

Transitmen.

- ROBERT S. BOWES. Lines and grades, Massachusetts Substation, Boylston Street Subway Extension and Traffic Tunnel. Record plans for Section 5B, D. R. T. Surveys for Traffic Tunnel and Boylston Street Subway Extension.
 PATRICK H. BOYLE. Surveys and Inspection, Traffic Tunnel.
 THOMAS E. CARNEY. Surveys, Traffic Tunnel and Boylston Street Subway Extension.
 STEPHEN D. DESROCHE. Reinforcing rod schedules, Boylston Street Subway Extension.
 MICHAEL J. DRISCOLL. Surveys, Traffic Tunnel and Boylston Street Subway Extension. Lines and grades, Boylston Street Subway Extension.
 JOHN C. DRUMMOND. Lines and grades, Boylston Street Subway Extension.
 MICHAEL S. FOGARTY. Record plans, Section 5A, Dorchester Rapid Transit. Surveys, Traffic Tunnel. Lines and grades, Newbury Substation. Cost accounting and Timekeeping, Boylston Street Subway Extension.
 ENOCH F. GREENE, JR. Surveys, lines and grades, Boylston Street Subway Extension.
 * JOSEPH A. KOMICH. Surveys, Traffic Tunnel.
 ALBERT I. McDERMOTT. Plans and deeds, Traffic Tunnel.
 DONALD J. McDONALD. Lines and grades, Boylston Street Subway Extension.
 FRANK A. RULL. Photography and blueprinting.
 FREDERIC W. STILES. Care of plans, survey records, etc., general office work.

Rodmen.

- WILLIAM J. AHEARN. Timekeeping, Boylston Street Subway Extension.
 * PICKARD ARNOLD. Surveys, Traffic Tunnel and Boylston Street Subway Extension.
 JOHN A. BEGG. Lines and grades, Boylston Street Subway Extension.

* Left the employ of the Transit Department.

* BENJAMIN M. BOHRER. Surveys for Traffic Tunnel.

EVERETT J. CAHILL. Lines and grades, Boylston Street Subway Extension.

*JOHN CONNELL. Surveys, Traffic Tunnel, Timekeeping, Boylston Street Subway Extension.

WILLIAM M. DALY. Office work.

CHARLES T. DINNEEN. Surveys, Traffic Tunnel and Boylston Street Subway Extension.

*LAWRENCE P. DONNELLY. Surveys, Traffic Tunnel.

JOSEPH F. DONOVAN. Office work, Boylston Street Subway Extension.

CHARLES W. FAGAN. Surveys, Traffic Tunnel.

*JOHN T. FEENEY. Surveys, Boylston Street Subway Extension.

WILLIAM F. FLYNN. Lines and grades, Boylston Street Subway Extension.

PAUL F. FORD. Surveys, Traffic Tunnel and Boylston Street Subway Extension. Lines and grades, Boylston Street Subway Extension.

*ERNEST J. GRIMM. Surveys, Traffic Tunnel.

HERBERT C. HAWKINS. Plans, Traffic Tunnel and Boylston Street Subway Extension.

Clerical Force.

JOHN J. BRADLEY. Clerk. Daily Reports for Rapid Transit Lines, Traffic Tunnel and Boylston Street Subway Extension.

KATHERINE I. DRISCOLL. Clerk and Stenographer.

JOHN J. FARREN. Construction Cost Accountant.

HENRY F. HORADAN. Blueprinting.

MARY E. MCKERNAN. Clerk.

MABEL A. MURPHY. Stenographer.

THOMAS J. MULDOON. Clerk and Stenographer at Cypher Street Stockyard.

WILLIAM J. SKIFFINGTON. Blueprinting, photography, etc.

*THOMAS E. SULLIVAN. Clerk.

*RICHARD F. TOBIN. Field work, Section 1 and 5C, Dorchester Rapid Transit, East Boston Traffic Tunnel.

*Left the employ of the Transit Department.

APPENDIX D.

BIDS FOR BUILDING SUB-POWER STATION, NEAR MASSACHUSETTS STATION,
BOYLSTON STREET SUBWAY. MARCH 31, 1930.

BIDDER.	Estimated Price.
A. G. Tomasello & Son, Inc.....	\$29,975 00
Leo J. Nawn, Inc.....	22,900 00
Banspar Construction Company.....	22,882 00
Hub Construction Company.....	19,249 00
M. S. Kelliher Company.....	16,790 00
Guiney & Hanson Construction Company.....	16,700 00
M. Solimando.....	15,490 00
J. A. Singarella *	15,270 00

* Awarded. Contract 951.

APPENDIX E.

BIDS FOR BORINGS FOR TRAFFIC TUNNEL. MAY 26, 1930.

BIDDER.	Estimated Price.
Pennsylvania Drilling Company.....	\$7,300 00
The Gow Company, Inc.....	4,650 00
Philip J. Healey, Inc.....	4,193 75
The Pierce Company, Inc.....	4,025 00
Sprague & Henwood, Inc.....	3,660 00
Kennedy-Riegger Drilling Company, Inc.....	2,653 75
B. F. Smith & Co., Inc.*.....	2,545 00

* Awarded. Contract V-1.

APPENDIX F.

BIDS FOR FURNISHING AND DELIVERING 1,300,000 POUNDS, MORE OR LESS,
OF DEFORMED STEEL REINFORCING RODS. BOYLSTON STREET SUB-
WAY — 1930. JULY 28, 1930.

BIDDER.	Estimated Price.
Stahleker Steel Corporation.....	\$27,650 00
Joseph T. Ryerson & Son, Inc.....	27,000 00
Truscon Steel Company.....	27,000 00
McClintic Marshall Company.....	27,000 00
Concrete Steel Company.....	27,000 00
Kalman Steel Company, Inc.*.....	26,220 00

* Awarded. Contract 956.

APPENDIX G.

BIDS FOR FURNISHING AND DELIVERING 250 TONS, MORE OR LESS, OF
ASPHALT. BOYLSTON STREET SUBWAY — 1930. JULY 28, 1930.

BIDDER.	Price per ton.
Travers-Sandell, Inc.....	\$34 50
Trimount Oil Company.....	32 90
The Texas Company.....	24 74
Johns-Manville Sales Corp.....	22 80
Standard Oil Company of New York.....	22 63
The Lehon Company.....	22 60
Minwax Company, Inc. *.....	22 00

* Awarded. Contract 954.

APPENDIX H.

BIDS FOR FURNISHING AND DELIVERING 100,000 SQUARE YARDS, MORE OR
LESS, OF ASPHALT SATURATED FABRIC. BOYLSTON STREET SUBWAY
—1930. JULY 28, 1930.

BIDDER.	Price Per Square Yard.
Travers-Sandell, Inc.....	17 cents
The Philip Carey Company.....	16 "
Johns-Manville Sales Corp.....	16 "
The Lehon Company.....	14 $\frac{1}{2}$ "
Minwax Company, Inc.*.....	13 $\frac{3}{4}$ "

* Awarded. Contract 955.

APPENDIX I.

BIDS FOR FURNISHING AUTOMOBILE TRUCKS FOR BOYLSTON STREET SUBWAY — 1930, AT AND NEAR GOVERNOR SQUARE. JULY 28, 1930.

BIDDERS.	Price Per 8-Hour Day.
Edward J. Byrne.....	\$24 00
J. C. Coleman & Sons Co., Inc.....	24 00
Francis L. Trainor.....	24 00
A. J. Brown & Co.....	22 00
Coleman Brothers, Inc.....	22 00
H. P. Welch Company.....	22 00
H. B. Church Truck Service.....	21 84
W. J. C. Company, Inc.....	20 00
Consolidated Trucking Company.....	19 72
C. E. Hall & Sons, Inc.....	19 60
A. DeStefano & Co.....	19 50
James A. Stretch Company, Inc.....	18 90
Dooley Brothers, Inc.....	18 80
Thomas Joseph McCue.....	17 75
M. Doyle & Co., Inc.....	17 49
Joseph P. McCabe, Inc.....	17 00
M. McGinnis Company *.....	16 95
Massachusetts Contracting Company, Inc.....	15 90

* Awarded. Contract 958.

APPENDIX J.

BIDS FOR FURNISHING DOUGLAS FIR AND LONG LEAF YELLOW PINE, BOYLSTON STREET SUBWAY — 1930. AUGUST 4, 1930.

BIDDER.	Estimated Price.	Notes.
Downes Lumber Company.....	\$30,700 00	} Bidding on all 13 items.
Howell Lumber Company.....	23,906 10	
Leatherbee Company.....	23,160 00	
Curtis & Pope Lumber Company.....	22,781 00	
George McQuesten Company.....	22,675 00	
Massachusetts Lime and Cement Company *.....	22,535 00	} Bidding on 10 items.
Downer Lumber Company.....	20,180 00	
Cronin Lumber Company.....	3,900 00	Bidding on 3 items.

* Awarded. Contract 959.

APPENDIX K.

BIDS FOR CONSTRUCTION OF FOUR STATION CANOPIES, DORCHESTER
DORCHESTER RAPID TRANSIT. SEPTEMBER 22, 1930.

BIDDER.	Estimated Price.
Banspar Construction Company.....	\$6,666 00
Hill & Delaney.....	6,250 00
J. A. Singarella.....	5,800 00
John Bowen Company *.....	5,249 00

* Awarded. Contract 960.

APPENDIX L.

BIDS FOR FURNISHING AND DELIVERING LONG LEAF YELLOW PINE.
BOYLSTON STREET SUBWAY — 1930. SEPTEMBER 22, 1930.

BIDDER.	Estimated Price.
Place Lumber Company.....	\$17,560 00
Downes Lumber Company.....	17,107 50
C. E. McManus Lumber Company.....	16,875 00
Downer Lumber Company.....	15,900 00
Curtis & Pope Lumber Company.....	15,526 25
Howell Lumber Company.....	15,500 00
George McQuesten Company *.....	14,490 00

* Awarded. Contract 961.

APPENDIX M.

BIDS FOR FURNISHING AND DELIVERING DOUGLAS FIR AND SPRUCE LUM-
BER, BOYLSTON STREET SUBWAY — 1930. SEPTEMBER 22, 1930.

BIDDER.	Estimated Price.
Howell Lumber Company.....	\$9,237 59
C. E. McManus Lumber Company.....	9,295 00
Curtis & Pope Lumber Company.....	9,110 40
Barney & Carey Company.....	8,504 60
Downes Lumber Company.....	8,470 00
George McQuesten Company *.....	8,085 00

* Awarded. Contract 962.

APPENDIX N.

BIDS FOR FURNISHING AND DELIVERING WIRE NAILS, BOYLSTON STREET
SUBWAY — 1930. SEPTEMBER 22, 1930.

BIDDER.	Estimated Price.
Haymarket Hardware Company.....	\$2,845 00
Northern Steel Company.....	2,709 25
Chase, Parker & Co., Inc.*.....	2,578 91

* Awarded. Contract 963.

APPENDIX O.

BIDS FOR FURNISHING 48-INCH STEEL WATER PIPE, BOYLSTON STREET
SUBWAY — 1930. NOVEMBER 20, 1930.

BIDDER.	Estimated Price.
Crane Company †.....	\$57,614 00
Walsh Holyoke Steam Boiler Works, Inc.*.....	49,798 00

* Awarded. Contract 972.

† Bid irregular.

APPENDIX P.

BIDS FOR REMOVING BUILDINGS 49-63 PORTER STREET AND 164 AND 166
HAVRE STREET, EAST BOSTON, ON THE LINE OF THE TRAFFIC TUNNEL.
NOVEMBER 24, 1930.

BIDDER.	City to Pay to Contractor.
City Building Wrecking Company.....	\$967 50
East Boston Building Wrecking Company.....	950 00
Central Building Wrecking Company.....	525 00
American Building Wrecking Company.....	525 00
BIDDER.	Contractor to Pay to City.
New England Building Wrecking Company.....	\$92 50
Chelsea Building Wrecking Company.....	95 00
John M. McDonald.....	100 00
New York Building Wrecking Company*.....	310 00

* Awarded. Contract V-3.

APPENDIX Q.

BIDS FOR REMOVING CERTAIN BUILDINGS IN BOSTON PROPER AND EAST BOSTON FROM THE LINE OF THE TRAFFIC TUNNEL. DECEMBER 22, 1930.

BIDDER.	City to Pay to Contractor.
Atlantic Building Wrecking Company.....	\$5,000 00
New York Building Wrecking Company.....	4,985 00
John J. Duane.....	4,325 00
New England Building Wrecking Company.....	3,326 00
Mystic Building Wrecking Company.....	2,534 00
Chelsea Building Wrecking Company.....	1,955 00
City Building Wrecking Company.....	1,622 00
American Building Wrecking Company.....	1,465 00
Central Building Wrecking Company*.....	1,275 00

* Awarded. Contract V-4.

APPENDIX R.

BIDS FOR FURNISHING SPRUCE OR DOUGLAS FIR AND LONG LEAF YELLOW PINE LUMBER. BOYLSTON STREET SUBWAY—1930. DECEMBER 29, 1930.

BIDDER.	ESTIMATED PRICE.		
	Spruce.	Alternative Douglas Fir.	Long Leaf Yellow Pine.
Hutchinson Lumber Company,	\$8,750 00	\$8,750 00	\$1,325 00
Barney & Carey Company†....	10,437 50	8,437 00	
Downes Lumber Company....	8,000 00	7,000 00	1,625 00
Howell Lumber Company....	8,125 00	6,875 00	1,062 50
George McQuesten Company..	7,225 00	*6,725 00	*997 00

* Awarded. Contract 974.

† No bid.





ANNUAL REPORT
OF THE
TREASURY DEPARTMENT
FOR THE FINANCIAL YEAR 1930.

CITY OF BOSTON TREASURY DEPARTMENT,
CITY HALL, January 2, 1931.

HON. JAMES M. CURLEY,
Mayor of the City of Boston.

SIR,— I herewith transmit the annual report of the transactions of the Treasury Department, which includes the receipts and payments of the City of Boston and of the County of Suffolk, for the financial year beginning January 1, 1930, and terminating December 31, 1930.

I append a statement of the debt of the City of Boston and the County of Suffolk, and of the trust funds in the custody of the treasurer.

Respectfully submitted,

EDMUND L. DOLAN,
City Treasurer.

ANNUAL REPORT OF THE CITY TREASURER FOR THE FINANCIAL YEAR 1930, WHICH ENDED DECEMBER 31, 1930.

Balance of cash on hand January 1, 1930, brought from the financial year 1929.....			\$9,916,066 34
RECEIPTS.			
Received during the year 1930 on account of the City of Boston:			
City Collector.....		\$85,345,832 21	
City Debt Issued:			
Boston Traffic Commission:			
Automatic Traffic Control Signals in Suburban Sections, 4%....	\$50,000 00		
Automatic Traffic Signal System on Massachusetts Avenue, from Tremont Street to Harvard Bridge, 4%.....	50,000 00		
Charles River Basin Assessment, 4%.....	100,000 00		
Fire Department:			
Fire Station, Brighton, 4%.....	10,000 00		
Fire Station, West End District, site, 4%.....	60,000 00		
New Fire Boat, 4%.....	140,000 00		
New Fire Station, West End District, Building, 4%.....	190,000 00		
Hospital Department:			
Administration Building, 4%....	330,000 00		
Children's Pavilion, 4%.....	300,000 00		
Hospital Buildings, Plans, etc., 4%.....	75,000 00		
Medical Pavilion, 4%.....	90,000 00		
New Administration Building, Furnishing and Equipping, 4%.....	50,000 00		
New Medical Pavilion, Furnishing and Equipping, 4%.....	70,000 00		
Power Plant, Long Island Hospital, Alterations and Improvements, 4%.....	40,000 00		
South Department, Buildings, Remodeling, etc., 4%.....	60,000 00		
Hospital Department, Sanatorium Division:			
New Buildings and Additions and Equipment and Furniture, 4%	800,000 00		
Carried forward.....	\$2,415,000 00	\$85,345,832 21	\$9,916,066 34

<i>Brought forward</i>	\$2,415,000 00	\$85,345,832 21	\$9,916,066 34
City Debt Issued, <i>Continued</i> .			
Library Department:			
Branch Libraries, Establishment of, 4%.....	140,000 00		
Central Library Building, Fireproofing, Improvements, etc., 4%.....	70,000 00		
Park Department:			
Airport, Improvements, 4%....	350,000 00		
Columbus Park and Strandway, Improvements, etc., 4%.....	540,000 00		
Land, Vicinity of Leverett and Nashua Streets, 4%.....	25,000 00		
Muddy River and Leverett Pond Improvements, 4%.....	35,000 00		
Playground, Clarendon Hills-Metropolitan Hill Section of Roslindale, Land and Construction, 4%.....	30,000 00		
Playground, Faneuil District, Brighton, 4%.....	75,000 00		
Playground, Fourth Section, East Boston, Land and Construction, 4%.....	15,000 00		
Playground, Junction of Winthrop, Fairland and Moreland Streets, Land and Construction, 4%.....	50,000 00		
Playground, Vicinity of Dunbar Avenue, 4%.....	30,000 00		
Playground, Rugby Section of Hyde Park, Land and Construction, 4%.....	30,000 00		
Rogers Park, Additional Land and Improvements, 4%.....	25,000 00		
Tercentenary Memorial Gateway, etc., 4%.....	45,000 00		
Webster Avenue Playground, Improvements, 4%.....	40,000 00		
World War Memorial Park, Improvements, etc., 4%.....	35,000 00		
Police Department:			
New Police Boat, 4%.....	160,000 00		
Public Buildings:			
Courthouse, Brighton, 4%.....	100,000 00		
East Boston Courthouse and Police Station 7, Alterations and New Buildings, 4%.....	220,000 00		
Public Works Department:			
Congress Street Bridge, 4%.....	410,000 00		
New Ferryboat, 4%.....	350,000 00		
<i>Carried forward</i>	\$5,190,000 00	\$85,345,832 21	\$9,916,066 34

<i>Brought forward</i>	\$5,190,000 00	\$85,345,832 21	\$9,916,066 34
City Debt Issued, <i>Concluded</i> .			
Public Works Department, <i>Concluded</i> .			
Reconstruction of Streets, 3½%..	1,200,000 00		
Savin Hill Bay, Sewerage Works, etc., 4%.....	150,000 00		
Sewerage Works, 4%.....	1,200,000 00		
Rapid Transit:			
Arlington Station, 4%.....	1,000 00		
Boylston Street Subway, 4%....	27,000 00		
Boylston Street Subway, Acts of 1930.....	700,000 00		
Cambridge Connection, 4%.....	2,000 00		
Dorchester Rapid Transit, 4%...	210,000 00		
Dorchester Tunnel, 4%.....	35,000 00		
Tremont Street Subway, Altera- tions, 4%.....	15,000 00		
Street Laying-Out Department:			
Charles Street Widening, etc., 4%.....	645,000 00		
Highways, Making of, 4%.....	1,000,000 00		
Oakland and Ashland Streets Improvements, 4%.....	20,000 00		
River Street Reconstruction, 4%.....	20,000 00		
Street Widenings and Extensions, Act of 1929, 4%.....	300,000 00		
Summer and L Streets, Widening and Construction of, 4%.....	300,000 00		
Traffic Tunnel, 4%.....	4,000,000 00		
		15,015,000 00	
Interest on Loans Negotiated.....		31,697 22	
Premiums on Loans Negotiated.....		59,859 02	
City Debt drawn for and unpaid as of January 1, 1931.....		147,000 00	
City Loans, Redemption of:			
Board of Commissioners of Sinking Funds:			
Redemption of Debt:			
Sinking Fund Debt.....	\$2,369,550 00		
Serial Debt.....	610,355 21		
Transit Debt.....	6,000 00		
		2,985,905 21	
Interest on Bank Deposits:			
General Account.....	\$165,559 06		
Sundry Trust Funds.....	1,681 89		
<i>Carried forward</i>	\$167,240 95	\$103,585,293 66	\$9,916,066 34

<i>Brought forward</i>	\$167,240 95	\$103,585,293 66	\$9,916,066 34
Interest on Bank Deposits, <i>Concluded</i> .			
Transit Accounts.....	15,919 64	183,160 59	
Interest Tailings.....		3,805 51	
Pay Roll Tailings, Settlements with Cashier for parties unpaid.....		9,597 68	
Rapid Transit Interest and Sinking Fund Account.....		73,466 25	
Temporary Loan, $3\frac{33}{100}\%$	\$5,000,000 00		
Temporary Loan, $3\frac{5}{100}\%$	1,000,000 00		
Temporary Loan, $2\frac{5}{8}\%$	2,000,000 00		
Temporary Loan, $2\frac{38}{100}\%$	3,000,000 00		
Temporary Loan, $2\frac{10}{100}\%$	3,000,000 00		
Temporary Loan, $2\frac{8}{100}\%$	5,000,000 00		
Temporary Loan, $2\frac{8}{100}\%$	3,000,000 00	22,000,000 00	
Premium on Temporary Loan.....		151 00	
Tercentenary Celebration.....		40,000 00	
Trust Funds:			
Investments Matured, etc.:			
Cemetery Fund.....	\$46,700 00		
Billings Westerly Cemetery Fund,	1,000 00		
Dorchester North Burial Ground Fund.....	1,850 00		
Dorchester South Cemetery Fund,	600 00		
Evergreen Cemetery Fund.....	8,100 00		
Fairview Cemetery Fund.....	3,200 00		
Mt. Hope Cemetery Fund.....	26,650 00		
Hospital Funds:			
Durkee Fund.....	15,050 00		
Ford Fund.....	6,000 00		
Nurses' Fund.....	200 00		
Johnson Bequest.....	1,000 00		
George E. Parkman Fund, Prin- cipal.....	255,000 00		
Police Charitable Fund.....	27,000 00		
Public Library Funds:			
Billings Fund.....	7,000 00		
Children's Fund, Principal....	5,000 00		
Codman Fund.....	2,800 00		
Ford Fund.....	6,000 00		
Green Fund.....	500 00		
<i>Carried forward</i>	\$413,650 00	\$125,895,474 69	\$9,916,066 34

<i>Brought forward</i>	\$413,650 00	\$125,895,474 69	\$9,916,066 34
Trust Funds, <i>Concluded</i> .			
Investments Matured, etc., <i>Concluded</i> .			
Public Library Funds, <i>Concluded</i> .			
Knapp Fund.....	2,000 00		
Kimball Fund.....	1,000 00		
Pratt Fund.....	900 00		
Scholfield Fund.....	3,000 00		
Skinner Fund.....	200 00		
Townsend Fund.....	4,000 00		
James L. Whitney Fund.....	1,900 00		
Sawyer Marcella Street Home Fund.....	300 00		
School Funds:			
Degrad Fund.....	2,000 00		
Franklin Medal Fund.....	1,000 00		
Gibson Fund.....	14,800 00		
Sawyer Horace Mann Fund...	300 00		
Smith Fund.....	4,000 00		
George R. White Fund:			
Principal.....	258,000 00		
Income.....	129,085 76		
Boston Retirement Board:			
Pension Accumulation Fund, Payments.....	803,734 26		
Retirement Reserve Fund, Payments.....	92,017 44		
Curley-Parker Fund.....	200 00		
Hospital Funds:			
Blodgett Fund.....	824 32		
Marcus M. Keyes Fund.....	2,101 10		
Nurses' Fund.....	4,590 47		
George O. Hovey Bequest.....	40,000 00		
John Foster Fund, Income.....	19 41		
Franklin Fund, First Part, Income..	230 24		
Franklin Union, Income.....	82,381 33		
George F. Parkman Fund:			
Principal.....	20,758 29		
Income.....	221,597 14		
Public Library Funds:			
Charles H. L. N. Bernard Fund,	2,052 23		
"The Children's Fund," Income,	121 87		
<i>Carried forward</i>	\$2,106,763 86	\$125,895,474 69	\$9,916,066 34

Brought forward.....	\$2,106,763 86	\$125,895,474 69	\$9,916,066 34
Public Library Funds, Concluded.			
Library Department Trust Fund, Income.....	902 02		
A. Shuman Memorial Building for Convalescent Men.....	2,695 46		
Walter Scott Medal for Valor Fund, Principal.....	770 00		
Traffic Tunnel.....	401 96		
George R. White Fund Foundation, Bequest of Mary E. Curley.....	500 00		
George R. White Fund, Income...	50,135 16	2,162,168 46	
		\$128,057,643 15	
On account of the County of Suffolk:			
City Collector.....	\$596,352 98		
Debt drawn for and unpaid as of January 1, 1931.....	4,000 00		
County Debt Issued:			
Jail Improvements, 4%.....	100,000 00		
Interest on Loans Negotiated.....	322 22		
Premium on Loans Negotiated.....	39 00		
Pay Roll Tailings.....	989 31	701,703 51	
			128,759,346 66
Total Receipts, including Cash on hand, January 1, 1930.....			\$138,675,413 00

PAYMENTS

MADE ON ACCOUNT OF THE CITY OF BOSTON DURING THE FINANCIAL YEAR 1930.

On account of the City of Boston:			
Mayor's Drafts,			
General Drafts.....		\$19,580,727 39	
Pay Roll Drafts.....		39,617,933 89	
Special Drafts:			
Ordinary Payments.....	\$46,125,717 34		
Interest on City Debt.....	3,612,813 14		
Interest on Hyde Park Street Rail- way Debt.....	12,867 50		
Interest on Rapid Transit Debt...	275,067 50		
Interest on Arlington Station Debt,	55,675 00		
Interest on Boston Tunnel and Subway Debt.....	315,618 78		
Interest on Boylston Street Sub- way Debt.....	220,782 48		
Interest on Cambridge Connection Debt.....	64,065 00		
Interest on Dorchester Rapid Transit Debt.....	416,655 00		
Interest on Dorchester Tunnel Debt.....	494,372 52		
Interest on East Boston Tunnel Alterations Debt.....	159,400 00		
Interest on East Boston Tunnel Alterations, Acts of 1924, Debt..	800 00		
Interest on East Boston Tunnel Extension Debt.....	100,000 00		
Interest on Traffic Tunnel Debt...	2,125 00		
Interest on Tremont Street Sub- way Alterations, Acts of 1924, Debt.....	2,100 00		
Interest on Water Debt.....	29,295 00		
Refunds:			
Ash and garbage tickets.....	432 55		
Building Department Permit....	273 00		
Dock Square and Faneuil Hall Square Protested Assessments,	747 17		
Duplicate and Overpayments to City Collector.....	66,254 52		
Fees and other charges.....	482 74		
Ferry Tolls.....	1,050 39		
Highways, Making of, Street Construction.....	21 32		
Carried forward.....	\$51,956,615 95	\$59,198,661 28	

<i>Brought forward</i>	\$51,956,615 95	\$59,198,661 28	
Special Drafts, <i>Concluded</i> .			
Refunds, <i>Concluded</i> .			
Interest.....	320 51		
Licensing Board Permits.....	110 00		
Motor Vehicles Excise Tax.....	41,740 86		
Police Department Permits.....	8 63		
Sewerage Works.....	11 70		
Street Laying-Out Permits.....	199 16		
Taxes.....	103,483 44		
Water Service.....	892 33		
Wire Service.....	9 25		
		52,103,391 83	
			*\$111,302,053 11
Board of Commissioners of Sinking Funds:			
Revenue collected.....		\$731,672 95	
City Debt drawn for and unpaid as of January 1, 1930.....		125,000 00	
Commonwealth of Massachusetts:			
National Bank Tax.....	\$1,533 46		
Corporation Tax.....	873 40		
Liquor Licenses.....	587 50		
State Tax.....	1,816,290 00		
Abatement of Smoke Nuisance....	10,156 08		
Auditing Municipal Accounts.....	10,860 50		
Charles River Basin Assessments...	246,375 60		
Charles River Bridge Assessments..	25,857 03		
Investigate Hackney Carriage, etc..	1,289 85		
Filling Fort Point Channel.....	896 49		
Investigate Sewerage in Boston Harbor.....	16,846 00		
Metropolitan Parks Assessments...	1,436,924 21		
Metropolitan Planning Division....	11,013 92		
Metropolitan Sewerage Assessment,	408,811 67		
Metropolitan Water Assessments...	2,679,165 32		
Neponset Bridge Assessments.....	13,182 06		
Neponset River, Protection of Public Health.....	3,376 17		
<i>Carried forward</i>	\$6,684,039 26	\$856,672 95	\$111,302,053 11

* Includes City Debt paid.....	\$7,322,550 00
Includes Hyde Park Water Debt paid.....	16,000 00
Includes Hyde Park Town Debt paid.....	3,000 00
Includes Temporary Loans paid.....	22,000,000 00
	<u>\$29,341,550 00</u>

<i>Brought forward</i>	\$6,684,039 26	\$856,672 95	\$111,302,053 11
Commonwealth of Massachusetts, <i>Concluded.</i>			
Repairs of State Highways.....	1,256 62		
Fire Prevention.....	15,670 70		
Hospital or home care for Civil War Veterans.....	2,753 00		
Soldiers' Exemption.....	4,914 56		
Southern Traffic Artery.....	29,723 48		
Ways in Malden, Braintree, Wey- mouth and Hingham.....	43,976 39	6,782.334 01	
Interest Tailings.....		2,070 00	
Old Claims.....		7 50	
Pay Roll Tailings, City Account.....		7,455 25	
Trust Funds:			
Billings Westerly Fund.....	\$1,000 00		
Cemetery Fund.....	155,756 59		
Dorchester North Burial Ground Fund.....	1,900 00		
Dorchester South Cemetery Fund..	600 00		
Evergreen Cemetery Fund.....	12,400 00		
Fairview Cemetery Fund.....	7,100 00		
Mt. Hope Cemetery Fund.....	45,017 00		
Curley-Parker Fund.....	200 00		
John Foster Fund.....	657 79		
Hospital Funds:			
Blodgett Fund.....	824 32		
Durkee Fund.....	15,000 00		
Ford Fund.....	6,000 00		
Marcus M. Keyes Fund.....	2,101 10		
Nurses' Fund.....	4,500 00		
A. Shuman Memorial Building for Convalescent Men.....	104,869 64		
George B. Hyde Bequest.....	4,000 00		
Leeds Bequest.....	1,293 45		
Ellen C. Johnson Bequest.....	4,000 00		
Parkman Fund:			
Principal.....	278,000 00		
Income.....	127 00		
Police Charitable Fund.....	27,000 00		
<i>Carried forward</i>	\$672,346 89	\$7,648,539 71	\$111,302,053 11

<i>Brought forward</i>	\$672,346 89	\$7,648,539 71	\$111,302,053 11
Trust Funds, <i>Concluded</i> .			
Public Library Funds:			
Charles H. L. N. Bernard Fund..	2,052 23		
Billings Fund.....	7,000 00		
The Children's Fund, Principal,	5,000 00		
Codman Fund.....	2,000 00		
Ford Fund.....	6,000 00		
Kimball Fund.....	1,000 00		
Knapp Fund.....	2,000 00		
Scholfield Fund.....	3,000 00		
Skinner Fund.....	200 00		
Townsend Fund.....	4,000 00		
James L. Whitney Fund.....	3,500 00		
Sawyer Marcella Street Home Fund,	300 00		
School Funds:			
Franklin Medal Fund.....	1,000 00		
Gibson Fund.....	14,200 00		
Sawyer Horace Mann Fund.....	300 00		
Smith Fund.....	4,000 00		
Sundry Trust Funds.....	72 24		
George R. White Fund:			
Principal.....	252,119 20		
Income.....	26 93		
George R. White Fund Foundation, Bequest of Mary E. Curley.....	500 00		
		980,617 49	8,629,157 20
			\$119,931,210 31
On account of the County of Suffolk:			
General Payments.....	* \$977,145 20		
Pay Roll Payments.....	2,675,262 23		
Special Payments:			
Interest on Debt.....	69,101 25		
Other than Interest.....	† 174,901 51		
Bail refunded.....	7,968 00		
Fines refunded.....	50 00		
Pay Roll Tailings.....	150 42		
			3,904,578 61
Total payments.....			\$123,835,788 92

* Includes County Debt paid..... \$62,000 00

† Includes County Debt paid (issued by the Commonwealth)..... \$20,000 00

RECAPITULATION.			
Cash balance January 1, 1930.....			\$9,916,066 34
Receipts from January 1, 1930, to December 31, 1930, both inclusive:			
Account of City of Boston:			
City Collector.....	\$85,345,832 21		
Temporary loans.....	22,000,000 00		
City Loans, redemption of:			
Board of Commissioners of Sinking Funds:			
Redemption of Debt:			
Serial.....	\$610,355 21		
Sinking Fund, 2,369,550 00			
Serial Transit Debt, 6,000 00			
	2,985,905 21		
City Loans Issued.....	15,015,000 00		
Other Sources.....	2,710,905 73		
		\$128,057,643 15	
Account of County of Suffolk:			
City Collector.....	\$596,352 98		
County Loan Issued.....	100,000 00		
Other sources.....	5,350 53		
		701,703 51	
			128,759,346 66
			\$138,675,413 00
Payments from January 1, 1930, to December 31, 1930, both inclusive:			
Account of City of Boston:			
General drafts.....	\$19,580,727 39		
Pay roll drafts.....	39,617,933 89		
Special drafts.....	52,103,391 83		
Amounts not drawn for by Mayor through auditor's office.....	8,629,157 20		
		\$119,931,210 31	
Account of County of Suffolk:			
General payments.....	\$977,145 20		
Pay roll drafts.....	2,675,262 23		
Special drafts.....	252,020 76		
Other amounts.....	150 42		
		3,904,578 61	
			123,835,788 92
Cash balance December 31, 1930, carried forward to financial year 1931.....			\$14,839,624 08

INTEREST PAID IN 1930.

On General City Debt	\$3,612,813 14
On Hyde Park Street Railway Debt	12,867 50
On Water Debt	29,295 00
On County Debt	69,101 25
On Rapid Transit Debt	\$275,067 50
On Boston Tunnel and Subway Debt	315,618 78
On Boylston Street Subway Debt	220,782 48
On Cambridge Connection Debt	64,065 00
On Dorchester Tunnel Debt	494,372 52
On Dorchester Rapid Transit Debt	416,655 00
On East Boston Tunnel Extension Debt	100,000 00
On Arlington Station Debt	55,675 00
On East Boston Tunnel Alterations Debt	159,400 00
On East Boston Tunnel Alterations, Acts of 1924 Debt	800 00
On Tremont Street Subway, Acts of 1924 Debt	2,100 00
	2,104,536 28
On Traffic Tunnel	2,125 00
Total interest paid on City and County Debt	\$5,830,738 17
Interest paid on State assessments in 1930	1,847,572 31
Total interest paid in 1930	\$7,678,310 48

DEBT PAID DURING THE FINANCIAL YEAR 1930.

	Rate Per Cent.	Due March, 1930.	Due April, 1930.	Due May, 1930.	Due June, 1930.	Due July, 1930.	Due September, 1930.	Due October, 1930.	Due November, 1930.	Due December, 1930.	Due January, 1931.	Total.
City.....	3	.....	.....	.....	.....	\$179,200 00	.....	\$203,350 00	.....	.....	\$250,000 00	\$632,550 00
"	3½	.....	\$109,000 00	\$176,000 00	.....	1,628,000 00	.....	.....	\$25,000 00	\$151,000 00	12,000 00	2,101,000 00
"	3¾	.....	.....	174,000 00	.....	.....	.....	4,000 00	.....	.....	.....	178,000 00
"	4	.....	188,000 00	381,000 00	\$199,000 00	430,500 00	.....	611,000 00	454,000 00	127,000 00	238,000 00	2,628,500 00
"	4½	.....	.....	126,000 00	68,000 00	9,000 00	.....	9,000 00	589,000 00	97,000 00	135,000 00	1,033,000 00
"	4½	.....	71,000 00	.....	98,000 00	10,000 00	.....	1,000 00	25,000 00	.....	27,000 00	232,000 00
"	5	.....	.....	157,000 00	.....	140,500 00	.....	.....	.....	.....	.....	297,500 00
County.....	3	.....	.....	.....	.....	.....	.....	17,000 00	.....	.....	.....	17,000 00
"	3½	\$8,000 00	.....	.....	.....	.....	\$12,000 00	.....	.....	3,000 00	.....	23,000 00
"	3¾	.....	.....	.....	.....	5,000 00	.....	.....	.....	.....	.....	5,000 00
"	4	.....	.....	.....	2,000 00	.....	.....	1,000 00	8,000 00	.....	.....	11,000 00
"	4½	.....	.....	.....	.....	.....	.....	.....	3,000 00	7,000 00	.....	10,000 00
"	4½	.....	.....	.....	6,000 00	.....	.....	.....	3,000 00	.....	.....	9,000 00
"	5	.....	.....	7,000 00	.....	.....	.....	.....	.....	.....	.....	7,000 00
Boston Tunnel and Subway.....	3½	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,000 00	6,000 00
Water.....	4	.....	.....	.....	.....	.....	.....	.....	180,000 00	.....	.....	180,000 00
"	4	.....	.....	.....	.....	.....	.....	20,000 00	.....	.....	.....	20,000 00
"	3½	.....	.....	14,000 00	.....	.....	.....	.....	.....	.....	.....	14,000 00
Hyde Park (Water)....	4	.....	16,000 00	.....	.....	.....	.....	.....	.....	.....	.....	16,000 00
Hyde Park (Town)....	4	.....	.....	3,000 00	.....	.....	.....	.....	.....	.....	.....	3,000 00
Totals.....	.....	\$8,000 00	\$384,000 00	\$1,038,000 00	\$373,000 00	\$2,402,200 00	\$12,000 00	\$866,350 00	\$1,287,000 00	\$385,000 00	\$668,000 00	\$7,423,550 00

BALANCE SHEET OF THE TREASURY DEPARTMENT, DECEMBER 31, 1930.

Dr. CITY TREASURER. Cr.

To balance carried forward to financial year 1931:					
Special appropriations, money derived from loans, revenue, income, etc.....	\$11,157,406 69				
General appropriations.....	267,004 41				
	\$11,424,411 10				
Excess of actual income over estimated income, Excess, schools.....	1,629,379 86				
	734,390 04				
	\$1,328 00		\$13,788,181 00		
Bay State Gas Company Guaranty Fund.....					
Board of Commissioners of Sinking Funds, Revenue.....	54,810 37				
Bunker Hill Burial Ground Trust Fund.....	40 00				
Cambridge Street and Court Street, Assessments.....	1,855 00				
Cambridge Street and Court Street, Assessment Protested.....	9,880 86				
Cemetery Fund.....	2,788 68				
Collins Hospital Fund.....	30 00				
Debt drawn for and unpaid as of January 1, 1931, City Account.....	153,000 00				
County Account.....	4,000 00				
Degradand School Fund.....	2,000 00				
Dock Square and Faneuil Hall Square.....	420 00				
Dock Square and Faneuil Hall Square, Assessments Protested.....	26,325 04				
Dorchester North Burial Ground, Trust Fund, Dorchester South Cemetery Trust Fund.....	211 50				
Duplicate and Overpayments to City Collector.....	152 50				
Durkee Hospital Fund.....	171,459 62				
Evergreen Cemetery Trust Fund.....	50 00				
Fairview Cemetery Trust Fund.....	827 54				
Franklin Fund, First Part.....	954 39				
Franklin Union.....	571 17				
Franklin Park Betterments, Repayment of... Gibson School Fund.....	93 12				
Highways, Making of, Assessments Protested, George O. Hovey Bequest.....	238 22				
George B. Hyde Bequest.....	600 43				
Interest Tailings Account.....	26,023 14				
Ellen C. Johnson Bequest.....	40,000 00				
Kneeland Street Assessments.....	971 73				
	5,905 65				
	793 36				
	290 00				
By cash in national banks, trust companies and office:					
Reserve.					
Banca Commerciale Italiana Trust Company.....				\$125,000 00	
Charlestown Trust Company.....				95,000 00	
Continental National Bank.....				200,000 00	
Day Trust Company.....				300,000 00	
Federal National Bank.....				470,000 00	
Harris Forbes Trust Company.....				300,000 00	
Industrial Bank and Trust Company.....				95,000 00	
National Rockland Bank.....				200,000 00	
					\$1,785,000 00
Active.					
Atlantic National Bank.....				\$454,891 90	
Bank of Commerce and Trust Company.....				376,000 00	
Boston National Bank.....				226,109 59	
Boston Safe Deposit and Trust Company...				126,000 00	
Day Trust Company.....				355,000 00	
Exchange Trust Company.....				438,265 86	
Federal National Bank, Special Account...				5,990 43	
First National Bank.....				4,889,061 46	
Merchants National Bank.....				251,769 64	
New England Trust Company.....				201,000 00	
National Shawmut Bank.....				221,593 11	
National Rockland Bank.....				300,349 32	
Second National Bank.....				425,941 29	
State Street Trust Company.....				350,845 82	
United States Trust Company.....				50,347 28	
Webster and Atlas National Bank.....				25,000 00	
					8,698,165 70
Certificates of Deposit.					
National Shawmut Bank.....				\$1,000,000 00	
United States Trust Company.....				500,000 00	
					1,500,000 00
Exchange Trust Company.					
Boylston Street Subway, Acts of 1930.....				\$50,440 72	
East Boston Tunnel Extension.....				12,323 16	
East Boston Tunnel, Alterations, Acts of 1924.....				6,633 95	
Tremont Street Subway, Alterations, Acts of 1924.....				8,176 91	
					\$11,983,165 70

Kneeland Street, Assessments Protested.....	6,196 88
Library Department Trust Funds, Income....	39,156 04
Lowell Street, Nashua Street and Causeway Street, Assessments Protested.....	3,341 71
Morton Street, Assessments Protested.....	3,920 00
Mount Hope Cemetery Trust Fund.....	2,111 28
Northern Avenue and Sleeper Street, Assess- ments Protested.....	1,925 00
Nurses' Hospital Fund.....	295 34
Old Claims, City Account.....	6,528 82
Old Claims, County Account.....	2,263 77
George F. Parkman Fund, Principal.....	809 86
Pay Roll Tailings, City Account.....	61,416 92
Pay Roll Tailings, County Account.....	23,532 97
Pleasant Street Widening, Betterments Pro- tested.....	3,522 02
Daniel Preston Lot.....	381 15
Public Library Trust Funds.....	6,702 57
Residue, Tax Sales, etc.....	8,817 07
Robey Hospital Fund.....	3,056 26
Sales of City Property.....	15,145 59
Sales, Rents, etc., of School Property.....	541 80
Walter Scott Medal for Valor Fund.....	770 00
Separate System of Drainage Assessments Protested.....	57 70
Sewerage Works Assessments Protested.....	1,480 58
Sidewalk Assessments, Repayments of, Tail- ings Account.....	5,105 92
Stuart Street Betterments Protested.....	266,302 26
Superior Court, Civil Session, interest on money deposited as Security.....	14,326 23
Surplus War Bonus.....	3,206 74
Tax Titles, etc.....	158 02
Joseph Thompson, Hospital Fund.....	1 41
Tremont Street, Protested Assessments.....	5,562 95
Unclaimed Money.....	6,740 52
West Roxbury Parkway.....	1,305 52
George R. White Fund: Principal.....	6,394 84
Income.....	44,745 02
Total, December 31, 1930.....	1,051,443 08
	\$14,839,624 08

Federal National Bank.	
Pay roll tailings, Account No. 2.....	84,949 89
Interest tailings.....	7,368 15
Sidewalk assessment, tailings.....	5,105 92
Dorchester Tunnel.....	3,951 43
East Boston Tunnel, Alterations.....	85,611 63
Rapid Transit Interest and Sinking Fund..	100,000 00
First National Bank.	
George R. White Fund, Principal.....	6,394 84
George R. White Fund, Income.....	44,745 02
Library Department Trust Funds Income..	39,156 04
Sundry Trust Funds.....	18,174 88
The Children's Fund, Principal.....	117 74
The Children's Fund, Income.....	4,064 37
Traffic Tunnel:	
Certificate of Deposit.....	1,000,000 00
Reserve.....	500,000 00
Merchants' National Bank.	
Franklin Union, Andrew Carnegie Donation,	93 12
George F. Parkman Fund, Principal.....	809 86
National Rockland Bank.	
Boston Tunnel and Subway.....	62,240 36
Boylston Street Subway.....	2,286 97
Cambridge Connection.....	2,471 52
Rapid Transit Interest and Sinking Fund...	100,000 00
National Shawmut Bank.	
Dorchester Rapid Transit.....	6,279 55
Rapid Transit Interest and Sinking Fund...	115,562 31
Traffic Tunnel.....	331,418 22
Suffolk Savings Bank.	
Franklin Fund, First Part.....	571 17
Webster and Atlas National Bank.	
Arlington Station.....	2,877 25
	2,601,824 98
	\$14,584,990 68
Cash and cash vouchers in office, including County and other duly authorized payments, in advance of Mayor's and County Auditor's drafts for the same.....	254,633 40
Total, December 31, 1930.....	\$14,839,624 08

DEBT ISSUED, 1930.

The following table shows the amount of money borrowed during the year ending December 31, 1930, and the object for which it was borrowed:

Date of Authority of Issue.	Rate Per Cent.	OBJECT OF LOAN.	Amount Issued.	Payable.	Amount Payable Annually.
December 12, 1928.....	4	New Fire Station, West End District Building.....	\$160,000 00	May, 1931-1950	\$8,000 00
March 5, 1929.....	4	Boston City Hospital Loan, Act of 1928, Medical Pavilion.....	45,000 00	May, 1931-1945	3,000 00
March 5, 1929.....	4	Boston City Hospital Loan, Act of 1928, Medical Pavilion.....	45,000 00	May, 1931-1945	3,000 00
May 22, 1928.....	4	Hospital Department, Sanatorium Division, New Buildings and Additions, and Equipment and Furniture.....	400,000 00	May, 1931-1950	20,000 00
June 11, 1929..... March 26, 1930.....	4	Airport, Improvements.....	350,000 00	{May, 1931-1940 May, 1941-1950	18,000 00 17,000 00
February 11, 1930.....	4	Columbus Park and Strandway Improvements, etc.....	300,000 00	May, 1931-1950	15,000 00
March 4, 1930.....	4	Tercentenary Memorial, Gateway, etc.....	40,000 00	May, 1931-1950	2,000 00
April 30, 1929.....	4	New Police Boat.....	160,000 00	May, 1931-1950	8,000 00
November 28, 1928.....	4	City of Boston, Congress Street Bridge Loan, Act of 1926.....	225,000 00	May, 1931-1945	15,000 00
February 11, 1930.....	4	Sewerage Works.....	700,000 00	May, 1931-1950	35,000 00
Chapter 371, Acts of 1929, August 21, 1926.....	4	City of Boston, Charles River Basin and Street Loan, Act of 1929... Boston, Oakland and Ashland Streets Improvement Loan, Act of 1926.....	525,000 00	May, 1931-1945	35,000 00
March 4, 1930.....	4	Land, Vicinity of Leverett and Nashua Streets.....	20,000 00	May, 1931-1940	2,000 00
February 19, 1930.....	4	New Ferryboat.....	25,000 00	{May, 1931-1935 May, 1936-1950	2,000 00 1,000 00
			200,000 00	May, 1931-1950	10,000 00

November 28, 1928.....	4	City of Boston, Congress Street Bridge Loan, Acts of 1926.....	100,000 00	{October October	1931-1940 1941-1945	7,000 00 6,000 00
June 19, 1929.....	4	Highways, Making of.....	350,000 00	{December, December,	1931-1940 1941-1950	18,000 00 17,000 00
August 6, 1929.....	4	Highways, Making of.....	150,000 00	{December, December,	1931-1940 1941-1950	8,000 00 7,000 00
May 14, 1930.....	4	Highways, Making of.....	500,000 00	December,	1931-1950	25,000 00
October 29, 1929.....	4	Automatic Traffic Control Signals in Suburban Sections of Boston...	50,000 00	December,	1931-1940	5,000 00
December 18, 1929.....	4	Automatic Traffic Signal System on Massachusetts Avenue from Tremont Street to Harvard Bridge.....	50,000 00	December,	1931-1940	5,000 00
Chapter 371, Acts of 1929,	4	Charles River Basin Assessments, Act of 1929.....	100,000 00	{December, December,	1931-1940 1941-1945	7,000 00 6,000 00
November 14, 1928.....	4	Fire Station, Brighton.....	10,000 00	December,	1931-1940	1,000 00
December 12, 1928.....	4	New Fire Station, West End District, Building.....	30,000 00	{December, December,	1931-1940 1941-1950	2,000 00 1,000 00
March 26, 1930.....	4	New Fireboat.....	140,000 00	December,	1931-1950	7,000 00
February 5, 1930.....	4	Hospital Department, Administration Building, Act of 1928.....	165,000 00	December,	1931-1945	11,000 00
February 5, 1930.....	4	Hospital Department, Administration Building, Act of 1928.....	165,000 00	December,	1931-1945	11,000 00
February 5, 1930.....	4	Hospital Department, Children's Pavilion, Act of 1928.....	150,000 00	December,	1931-1945	10,000 00
February 5, 1930.....	4	Hospital Department, Children's Pavilion, Act of 1928.....	150,000 00	December,	1931-1945	10,000 00
February 5, 1930.....	4	Hospital Department, South Department, Buildings, Remodeling, etc., Act of 1928.....	30,000 00	December,	1931-1945	2,000 00
February 5, 1930.....	4	Hospital Department, South Department, Buildings, Remodeling, etc., Act of 1928.....	30,000 00	December,	1931-1945	2,000 00
February 5, 1930.....	4	Hospital Department, New Medical Pavilion, Furnishing and Equipping.....	70,000 00	December,	1931-1940	7,000 00
July 23, 1929.....	4	Hospital Buildings, Plans, etc.....	75,000 00	December,	1931-1945	5,000 00

DEBT ISSUED.— *Continued.*

Date of Authority of Issue.	Rate Per Cent.	OBJECT OF LOAN.	Amount Issued.	Payable.	Amount Payable Annually.
February 5, 1930.....	4	Hospital Department, Sanatorium Division, New Buildings and Additions, and Equipment and Furniture.....	\$400,000 00	December, 1931-1950	\$20,000 00
March 15, 1930.....	4	Branch Libraries, Establishment of.....	140,000 00	December, 1931-1950	7,000 00
December 15, 1927.....	4	Central Library Building, Fireproofing, Improvements, etc.....	70,000 00	December, 1931-1940	7,000 00
February 11, 1930.....	4	Columbus Park and Strandway, Improvements, etc.....	240,000 00	December, 1931-1950	12,000 00
March 4, 1930.....	4	Muddy River and Leverett Pond, Improvements.....	35,000 00	{ December, 1931-1945 December, 1946-1950 }	2,000 00 1,000 00
October 4, 1929.....	4	{ Playground, Clarendon Hills, Metropolitan Hill Section of Roslindale, Land and Construction..... }	30,000 00	{ December, 1931-1940 December, 1941-1950 }	2,000 00 1,000 00
June 3, 1930.....	4	Playground, Faneuil District Brighton.....	75,000 00	{ December, 1931-1945 December, 1946-1950 }	4,000 00 3,000 00
October 28, 1929.....	4	Playground, Fourth Section, East Boston, Land and Construction...	15,000 00	December, 1931-1945	1,000 00
November 1, 1929.....	4	{ Playground, Junction of Winthrop, Fairland and Moreland Streets, Land and Construction..... }	50,000 00	{ December, 1931-1940 December, 1941-1950 }	3,000 00 2,000 00
October 4, 1929.....	4	Playground, Rugby Section of Hyde Park, Land and Construction....	30,000 00	{ December, 1931-1940 December, 1941-1950 }	2,000 00 1,000 00
September 25, 1929 February 10, 1930 } July 9, 1930 }	4	Playground, Vicinity of Dunbar avenue, Dorchester.....	30,000 00	{ December, 1931-1940 December, 1941-1950 }	2,000 00 1,000 00
October 29, 1929.....	4	Rogers Park, Additional Land and Improvements.....	25,000 00	{ December, 1931-1935 December, 1936-1950 }	2,000 00 1,000 00
March 4, 1930.....	4	Tercentenary Memorial, Gateway, etc.....	5,000 00	December, 1931-1935	1,000 00
March 4, 1930.....	4	Webster Avenue Playground, Improvements.....	40,000 00	December, 1931-1950	2,000 00

August 6, 1929.....	4	World War Memorial Park, Improvements, etc.....	35,000 00	{ December, 1931-1945 December, 1946-1950	2,000 00 1,000 00
March 4, 1930.....	4	Courthouse, Brighton.....	100,000 00	December, 1931-1950	5,000 00
March 4, 1930.....	4	East Boston Courthouse and Police Station 7, Alterations and New Building.....	220,000 00	December, 1931-1950	11,000 00
November 28, 1928.....	4	City of Boston Congress Street Bridge Loan, Act of 1926.....	85,000 00	{ December, 1931-1940 December, 1941-1945	6,000 00 5,000 00
February 19, 1930.....	4	New Ferryboat.....	150,000 00	{ December, 1931-1940 December, 1941-1950	8,000 00 7,000 00
July 16, 1929.....	4	Savin Hill Bay Sewer Loan, Act of 1929.....	150,000 00	{ December, 1931-1940 December, 1941-1950	8,000 00 7,000 00
February 11, 1930.....	4	Sewerage Works.....	300,000 00	December, 1931-1950	15,000 00
June 3, 1930.....	4	Sewerage Works.....	200,000 00	December, 1931-1950	10,000 00
Chapter 371, Acts of 1929,	4	Charles Street Widening, etc., Acts of 1929.....	120,000 00	December, 1931-1945	8,000 00
September 7, 1928.....	4	River Street Reconstruction.....	20,000 00	December, 1931-1950	1,000 00
Chapter 352, Acts of 1929,	4	City of Boston Street Widenings and Extensions Loan, Act of 1929..	300,000 00	December, 1931-1945	20,000 00
June 3, 1930.....	4	Summer and L Streets, Widening and Construction of, Act of 1930..	300,000 00	December, 1931-1945	20,000 00
July 22, 1930.....	4	County of Suffolk, Jail Improvements.....	100,000 00	December, 1931-1950	5,000 00
June 3, 1930.....	3½	Reconstruction of Streets, Act of 1930.....	1,200,000 00	December, 1931-1935	240,000 00
October 18, 1930.....	4	Power Plant, Long Island Hospital, Alterations and Improvements..	50,000 00	{ December, 1931-1940 December, 1941-1950	3,000 00 2,000 00
December 16, 1930.....	4	Fire Station, West End District, Site.....	60,000 00	*December, 1931-1950	3,000 00
December 16, 1930.....	4	Hospital Department, New Administration Building, Furnishing and Equipping.....	40,000 00	*December, 1931-1940	4,000 00
		Total.....	\$10,125,000 00		

* Bonds dated December 31, 1930. Interest due January and July.

DEBT ISSUED.— *Concluded.*

Date of Authority of Issue.	Rate Per Cent.	LOANS SECURED BY SINKING FUNDS.	Amount Issued.	Payable.
Chapter 480, Acts of 1923.....	4	Dorchester Rapid Transit.....	\$190,000 00	April 1, 1975
Chapter 741, Acts of 1911.....	4	Boylston Street Subway.....	22,000 00	April 1, 1975
Chapter 120, Acts of 1924.....	4	Rapid Transit Loan, Tremont Street Subway Alterations.....	5,000 00	April 1, 1975
Chapter 520, Acts of 1906.....		Cambridge Connection.....	2,000 00	April 1, 1975
Chapter 342, Special Acts of 1916....	4	Arlington Station.....	1,000 00	April 1, 1975
Chapter 741, Acts of 1911.....	4	Dorchester Tunnel.....	5,000 00	April 1, 1975
Chapter 297, Acts of 1929.....	4	Traffic Tunnel Bonds, City of Boston, Act of 1929.....	4,000,000 00	September 1, 1980-1950
Chapter 741, Acts of 1911.....	4	Boylston Street Subway.....	5,000 00	December 1, 1975
Chapter 120, Acts of 1924.....	4	Tremont Street Subway Alterations.....	10,000 00	December 1, 1975
Chapter 394, Acts of 1930.....	4	Boylston Street Subway.....	700,000 00	December 1, 1975
Chapter 480, Acts of 1923.....	4	Dorchester Rapid Transit.....	20,000 00	December 31, 1975
Chapter 741, Acts of 1911.....	4	Dorchester Tunnel.....	30,000 00	December 31, 1975
		Total.....	<u>\$4,990,000 00</u>	

Serial Debt.....	\$10,125,000 00
Sinking Fund Debt.....	4,990,000 00
Total Debt Issued.....	<u>\$15,115,000 00</u>

DEBT OF THE CITY OF BOSTON AND THE COUNTY OF SUFFOLK, DECEMBER 31, 1930.

General City Debt, issued inside of debt limit:			
General City Serial Loan Debt.....	\$15,427,500 00		
Highways, Making of, Debt No. 1.....	2,885,301 00		
Highways, Making of, Serial Loan Debt.....	9,591,500 00		
Public Park Debt.....	761,000 00		
Public Park Serial Loan Debt	3,843,000 00		
Charlestown Bridge No. 1...	750,000 00		
Schoolhouses Debt, No. 2...	7,325,800 00		
Schoolhouses Serial Loan Debt.....	990,000 00		
Separate Systems of Drainage, Debt, No. 2.....	919,000 00		
Separate Systems of Drainage Serial Loan Debt.....	1,223,000 00		
Sewerage Loan Debt, No. 2,	600,000 00		
Sewerage Loan Serial Loan Debt.....	11,331,000 00		
Thirty-Year Debt, No. 1...	492,000 00		
Total City Debt, issued inside of Debt limit.....	\$56,139,101 00		
General City Debt, issued outside of debt limit:			
General City Serial Loans Debt.....	\$17,875,000 00		
Water Serial Loan Debt....	378,000 00		
Atlantic Avenue Debt.....	178,900 00		
Blue Hill and Other Avenues Debt.....	1,839,000 00		
Cambridge Bridge Debt....	1,352,900 00		
Charles River Basin Debt...	800,000 00		
Charlestown Bridge, No. 2..	665,000 00		
Highways, Making of, Debt, No. 2.....	1,645,000 00		
Hyde Park Street Railway Debt.....	322,000 00		
Public Park Special Debt...	736,500 00		
Schoolhouses Debt, No. 1...	500,000 00		
Separate Systems of Drainage Debt, No. 1.....	3,062,000 00		
Sewerage Loan Debt, No. 1.	4,966,000 00		
Stony Brook Improvement Debt.....	398,000 00		
Thirty-Year Debt, No. 2...	1,272,000 00		
Traffic Tunnel Debt.....	4,050,000 00		
Total City Debt, issued outside of debt limit.....	40,040,300 00		
Total General City Debt.....		\$96,179,401 00	
County of Suffolk Serial Payment Debt, issued inside of debt limit.....	\$829,000 00		
County of Suffolk Debt, payable from Sinking Funds, issued outside of debt limit.....	900,000 00		
		1,729,000 00	
Total General City and County Debt....		\$97,908,401 00	
Rapid Transit Debt, issued outside of debt limit:			
Rapid Transit Debt.....	\$4,416,000 00		
Arlington Station Debt.....	1,238,000 00		
Boston Tunnel and Subway Debt.....	8,256,700 00		
Boston Tunnel and Subway Serial Loan Debt.....	114,000 00		
Boylston Street Subway Debt.....	5,423,000 00		
Carried forward.....	\$19,447,700 00	\$97,908,401 00	

Brought forward.....	\$19,447,700 00	\$97,908,401 00	
Rapid Transit Debt, issued outside of debt limit, <i>Concluded</i> .			
Boylston Street Subway, Acts of 1930 Debt,	700,000 00		
Cambridge Connection Debt.....	1,648,000 00		
Dorchester Rapid Transit Debt.....	10,660,000 00		
Dorchester Tunnel Debt.....	12,150,000 00		
East Boston Tunnel Debt.....	3,334,000 00		
East Boston Tunnel Alterations Debt.....	3,900,000 00		
East Boston Tunnel Alterations, Acts of 1924 Debt.....	20,000 00		
East Boston Tunnel Extension Debt.....	2,500,000 00		
Tremont Street Subway, Alterations Debt..	65,000 00		
Total Rapid Transit Debt, issued outside of debt limit.....		54,424,700 00	
* Total Debt carried forward.....			\$152,333,101 00
* Total debt as above.....			\$152,333,101 00
Debt issued by the Commonwealth (chapter 534, Acts 1906) for enlargement of Suffolk County Courthouse (outside debt limit).....			159,999 96
Hyde Park Serial Loan Town Debt, issued inside debt limit....	\$3,000 00		
Hyde Park Serial Loan Water Debt, issued outside debt limit,	160,000 00		
		163,000 00	
Total Funded Debt.....			<u>\$152,656,100 96</u>

Total debt as per preceding page.....	.....	.....	.....	\$152,333,101 00
Less Sinking Funds as follows:				
For General City Debt, issued inside of debt limit:				
Charlestown Bridge Sinking Fund, No. 1.....	\$606,954 00			
Highways, Making of, Sinking Fund, No. 1.....	3,018,659 00			
Public Park Sinking Fund.....	660,577 48			
Schoolhouses Sinking Fund, No. 2.....	4,670,610 52			
Separate Systems of Drainage, No. 2.....	598,838 39			
Sewerage Loan, No. 2, Sinking Fund.....	536,450 49			
Thirty-Year Sinking Fund, No. 1, Sinking Fund.....	444,354 71			
Total Sinking Funds for debt issued inside of debt limit.....	.....	\$10,536,444 59		
For General City Debt, issued outside of debt limit:				
Atlantic Avenue Sinking Fund.....	\$178,900 00			
Blue Hill and Other Avenues Sinking Fund.....	1,584,333 47			
Cambridge Bridge Sinking Fund.....	968,955 66			
Charles River Basin Sinking Fund.....	505,208 29			
Charlestown Bridge, No. 2.....	652,349 83			
Highways, Making of, Sinking Fund, No. 2.....	1,717,326 59			
Hyde Park Street Railway Sinking Fund.....	64,480 27			
Public Park Special Sinking Fund.....	622,869 68			
Schoolhouses Sinking Fund, No. 1, Sinking Fund.....	402,496 19			
Carried forward.....	\$6,696,919 98	\$10,536,444 59	.....	\$152,333,101 00

<i>Brought forward</i>	\$6,696,919 98	\$10,536,444 59	.....	\$152,333,101 00
Less Sinking Funds as follows.— <i>Concluded.</i>				
For General City Debt, issued outside of debt limit.— <i>Concluded.</i>				
Separate Systems of Drainage, No. 1, Sinking Fund.....	2,478,696 83			
Sewerage Loan, No. 1, Sinking Fund.....	4,139,126 76			
Stony Brook Improvement Special Sinking Fund.....	295,243 47			
Thirty-Year Sinking Fund, No. 2, Sinking Fund.....	1,037,154 05			
Total Sinking Funds for City Debt issued outside of debt limit.....	.....	14,647,141 09		
For County of Suffolk Sinking Fund (outside of debt limit).....	.....	665,859 89		
Total General City and County Sinking Funds.....	.....	.....	\$25,849,445 57	
For Rapid Transit Debt, issued outside of debt limit:				
Rapid Transit Sinking Fund.....	\$3,543,943 22			
Arlington Station Sinking Fund.....	11,097 17			
Boston Tunnel and Subway Sinking Fund.....	3,856,497 40			
Boylston Street Subway Sinking Fund.....	169,089 41			
Cambridge Connection Sinking Fund.....	452,177 72			
Dorchester Tunnel Sinking Fund.....	747,010 30			
Dorchester Rapid Transit Sinking Fund.....	44,904 59			
East Boston Tunnel Sinking Fund.....	2,057,100 44			
East Boston Tunnel Alterations Sinking Fund.....	91,677 54			
East Boston Tunnel Extension Sinking Fund.....	259,505 48			
Total Sinking Funds for Rapid Transit Debt.....	.....	.....	11,233,003 27	
Moneys for Reduction of Debt, Sinking Fund.....	.....	.....	1,907,797 38	
<i>Carried forward</i>.....	.....	.....	.....	38,990,246 22
				<u>\$113,342,854 78</u>

<i>Brought forward</i>.....	.....	\$113,342,854 78
Debt issued by the Commonwealth (chapter 534, Acts 1906) for enlargement of Suffolk County Courthouse.....	\$159,999 96	
Hyde Park Serial Debt.	163,000 00	522,999 96
		\$113,665,854 74
Less:		
Betterments, etc., the payments of which are pledged to the payment of debt.	\$3,099,313 99	
Betterments collected in December, 1930.	41,931 01	
Interest on Betterments.	11,050 90	
Premium on Loans.....	16,398 02	3,168,693 92
Net funded debt December 31, 1930. ....	.....	\$110,497,160 82

DEBT OF THE CITY OF BOSTON AND THE
COUNTY OF SUFFOLK.

When due, and Amount held by the Sinking Funds,
as Investments.

DUE IN FINANCIAL YEAR.	City of Boston Debt Due.	City of Boston Sinking Fund Debt held by the Sinking Funds.	Other than City of Boston Sinking Fund Bonds held by the Sinking Funds.
1931.....	\$7,422,500 00	\$2,381,000 00	\$854,000 00
1932.....	9,587,101 01	3,125,000 00	1,015,500 00
1933.....	6,617,500 00	552,000 00	841,000 00
1934.....	7,749,166 67	1,963,000 00	924,000 00
1935.....	10,089,166 67	1,499,000 00	877,000 00
1936.....	9,671,666 67	636,500 00	1,088,000 00
1937.....	8,782,166 67	2,148,600 00	1,336,000 00
1938.....	5,671,066 67	399,000 00	1,660,000 00
1939.....	5,398,166 60	.....	729,000 00
1940.....	4,172,500 00	.....	461,000 00
1941.....	3,393,500 00	250,000 00	822,000 00
1942.....	3,642,000 00	354,000 00	446,000 00
1943.....	4,150,000 00	666,000 00	666,000 00
1944.....	6,373,000 00	811,000 00	1,275,000 00
1945.....	6,025,700 00	586,000 00	395,000 00
1946.....	2,952,000 00	840,000 00	334,000 00
1947.....	2,797,000 00	971,450 00	564,000 00
1948.....	3,384,000 00	315,000 00	85,000 00
1949.....	1,422,900 00	.....	188,000 00
1950.....	1,490,000 00	.....	473,000 00
1951.....	191,000 00	.....	143,000 00
1952.....	163,000 00	.....	8,000 00
1953.....	134,000 00	.....	415,000 00
1954.....	134,000 00	.....	440,000 00
1955.....	68,000 00	.....	40,000 00
1956.....	485,000 00	.....	107,000 00
1957.....	3,400,000 00	37,000 00	75,000 00
1958.....	3,400,000 00	.....	25,000 00
1959.....	2,500,000 00	.....	30,000 00
1960.....	4,765,000 00	.....	.....
1961.....	1,775,000 00	.....	303,000 00
1962.....	1,515,000 00	.....	92,000 00
1963.....	500,000 00	.....	50,000 00
1964.....	400,000 00	.....	30,000 00
1965.....	87,000 00	50,000 00	25,000 00
1966.....	159,000 00	.....	25,000 00
1967.....	1,565,000 00	.....	30,000 00
1968.....	1,350,000 00	.....	.....
1969.....	1,255,000 00	.....	35,000 00
1970.....	2,255,000 00	1,635,000 00	.....
1971.....	3,995,000 00	.....	30,000 00
1972.....	3,570,000 00	.....	.....
1973.....	2,207,000 00	1,050,000 00	25,000 00
1974.....	952,000 00	.....	.....
1975.....	990,000 00	.....	25,000 00
1975-45.....	.....	.....	450,000 00
1976.....	.....	.....	25,000 00
1977.....	.....	.....	25,000 00
1979-49.....	50,000 00	.....	.....
1980-50.....	4,000,000 00	.....	.....
1985-50.....	.....	.....	100,000 00
Totals, December 31, 1930.....	*\$152,656,100 96	\$20,269,550 00	\$17,586,500 00

* Includes debt issued by the Commonwealth (chapter 534, Acts 1906) for enlargement of Suffolk County Courthouse, \$159,999.96.

HYDE PARK DEBT.

OBJECT OF LOAN.	Rate Per Cent.	Maturity.	Amount.	Total.
Sewerage Loan	4	May 1, 1931 .....	.....	\$3,000 00
Water Loan	4	{ April 1, 1931–April 1, 1940 \$16,000 annually .....	.....	160,000 00
Total Funded Debt .....	.....	.....	.....	\$163,000 00

INTEREST PAYABLE ON DEBT DURING THE FINANCIAL YEAR 1931. (ESTIMATED.)

CLASS OF LOAN.	March, 1931.	April, 1931.	May, 1931.	June, 1931.	July, 1931.	September, 1931.	October, 1931.	November, 1931.	December, 1931.	January, 1932.	Total.
City.....		\$221,885 52	\$578,637 50	\$508,480 00	\$472,933 50	.....	\$212,523 02	\$554,552 50	\$500,850 00	\$432,662 25	\$3,482,524 29
Hyde Park Street Railway.....		6,300 00	.....	93 75	40 00	.....	6,300 00	.....	93 75	40 00	12,867 50
Traffic Tunnel.....	\$80,000 00	.....	.....	1,062 50	.....	\$80,000 00	.....	.....	1,062 50	.....	162,125 00
Rapid Transit.....		63,668 75	.....	33,852 50	40,012 50	.....	63,668 75	.....	33,852 50	40,012 50	275,067 50
East Boston Tunnel Alterations (Acts 1924).....			400 00	.....	.....	.....	.....	400 00	.....	.....	800 00
Cambridge Connection.....		8,945 00	9,808 75	193 75	13,105 00	.....	8,945 00	9,808 75	193 75	13,105 00	64,105 00
Boston Tunnel and Subway.....		24,921 75	.....	65,182 50	67,600 13	.....	24,921 75	.....	65,182 50	67,600 13	315,408 76
Dorchester Tunnel.....		79,558 75	46,748 75	29,218 75	92,470 00	.....	79,558 75	46,748 75	29,218 75	92,470 00	495,992 50
Dorchester Rapid Transit.....		63,800 00	90,625 00	45,962 50	10,240 00	.....	63,800 00	90,625 00	45,962 50	10,240 00	421,255 00
Boylston Street Subway.....		37,180 00	27,846 25	100 00	45,585 00	.....	37,180 00	27,846 25	100 00	45,585 00	221,422 50
East Boston Tunnel Extension, ...		4,000 00	.....	.....	46,000 00	.....	4,000 00	.....	.....	46,000 00	100,000 00
East Boston Tunnel Alterations, ...		15,000 00	31,175 00	.....	33,516 25	.....	15,000 00	31,175 00	.....	33,516 25	159,382 50
Tremont Street Subway Altera- tions.....		100 00	.....	200 00	1,000 00	.....	100 00	.....	200 00	1,000 00	2,600 00
Arlington Station.....		7,857 50	7,352 50	1,275 00	11,362 50	.....	7,857 50	7,352 50	1,275 00	11,362 50	55,695 00
Boylston Street Subway (Acts 1930).....				14,000 00	.....	.....	.....	.....	14,000 00	.....	28,000 00
County.....	2,800 00	15,515 00	6,241 25	7,587 50	3,137 50	2,660 00	15,515 00	6,066 25	7,412 50	3,043 75	69,978 75
Water.....		4,400 00	2,765 00	.....	.....	.....	4,400 00	2,520 00	.....	.....	14,085 00
Totals.....	\$82,800 00	\$553,132 27	\$801,600 00	\$707,208 75	\$837,002 38	\$82,660 00	\$543,769 77	\$777,095 00	\$699,403 75	\$796,637 38	\$5,881,309 30
Hyde Park General.....			60 00	.....	.....	.....	.....	.....	.....	.....	60 00
Hyde Park Water.....		3,200 00	.....	.....	.....	.....	2,880 00	.....	.....	.....	6,080 00
Grand Totals.....	\$82,800 00	\$556,332 27	\$801,660 00	\$707,208 75	\$837,002 38	\$82,660 00	\$546,649 77	\$777,095 00	\$699,403 75	\$796,637 38	\$5,887,449 30

TOTAL RECEIPTS AND PAYMENTS OF TREASURY DEPARTMENT FOR TWENTY YEARS.

STATEMENT OF THE RECEIPTS AND PAYMENTS FOR TWENTY YEARS.

YEAR.	Balance on Hand at the Commencement of each Financial Year.	Receipts.	Payments.	Total Receipts and Payments.
1911-12.....	\$6,843,724 92	\$47,806,690 20	\$45,788,953 10	\$93,595,643 30
1912-13.....	8,861,462 02	50,200,036 24	50,798,956 69	100,998,992 93
1913-14.....	8,262,541 57	58,391,653 42	58,542,488 04	116,934,141 46
1914-15.....	8,111,706 95	52,861,476 79	54,987,028 85	107,848,505 64
1915-16.....	5,986,154 89	59,339,813 93	58,893,968 33	118,233,782 26
1916-17.....	6,432,000 49	57,572,292 15	55,857,091 64	113,429,383 79
1917-18.....	8,147,201 00	56,295,017 88	58,540,824 37	114,835,842 25
1918-19.....	5,901,394 51	64,576,671 95	64,147,423 96	128,724,095 91
1919-20.....	6,330,642 50	75,321,447 94	70,111,497 82	145,432,945 76
1920-21.....	11,540,592 62	72,353,817 77	71,359,341 76	143,713,159 53
1921-22.....	12,535,068 63	78,217,867 19	79,606,158 58	157,824,025 77
1922-23.....	11,146,777 24	86,293,976 24	86,694,876 63	172,988,852 87
1923-24.....	10,745,876 85	87,697,488 41	89,451,263 01	177,148,751 42
1924-25.....	8,992,102 25	95,678,683 96	98,225,314 46	193,903,998 42
1925 (eleven months).....	6,445,471 75	102,710,894 08	101,352,970 41	204,063,864 49
1926.....	7,803,395 42	117,537,442 77	114,715,389 01	232,252,831 78
1927.....	10,625,449 18	109,998,433 61	109,818,197 10	219,816,630 71
1928.....	10,805,685 69	114,232,741 26	113,702,930 48	227,935,671 74
1929.....	11,335,496 47	114,412,171 76	115,831,601 89	230,243,773 65
1930.....	9,916,066 34	128,759,346 66	123,835,788 92	252,595,135 58
Cash balance December 31, 1930.....				\$14,839,624 08

TRUST FUNDS.

The City Treasurer had in his possession December 31, 1930, as treasurer and as custodian, the following trust funds:

FUNDS.	Cash.	Par Value of Investments.	Total Resources.
Babcock Music Fund.....		\$3,110 12	\$3,110 12
James Phinney Baxter Bequest.....		6,709 72	6,709 72
Boston Common Tree Fund (Charles E. French).....		5,000 00	5,000 00
Boston Retirement Board:			
Annuity Savings Fund.....	\$128,431 73	5,237,000 00 (Book value \$5,203,266 25)	5,365,431 73
Pension Accumulation Fund.....	446,828 48	8,513,000 00 (Book value \$8,471,139 00)	8,959,828 48
Retirement Reserve Fund.....	147,984 01	477,350 00 (Book value \$476,565 80)	625,334 01
Cemetery Funds:			
Billings Westerly Cemetery Fund.....		5,000 00	5,000 00
Bunker Hill Burial Ground Fund.....	40 00		40 00
Burial Grounds Care Fund (Charles E. French).....		10,000 00	10,000 00
Cemetery Fund.....	2,788 68	1,155,200 00 (Book value \$1,132,942 90)	1,157,988 68
Dorchester North Burial Ground Fund..	211 50	10,650 00	10,861 50
Dorchester South Cemetery Fund.....	152 50	3,550 00	3,702 50
Evergreen Cemetery Fund.....	827 54	82,650 00 (Book value \$82,526 59)	83,477 54
Fairview Cemetery Fund.....	954 39	63,100 00 (Book value \$63,057 79)	64,054 39
Mount Hope Cemetery Fund.....	2,111 28	300,561 00 (Book value \$299,498 76)	302,672 28
Phipps Street Burial Ground Fund.....		250 00	250 00
City Hospital Funds:			
Ball Fund.....		1,000 00	1,000 00
Blodgett Fund.....		7,262 36	7,262 36
Carried forward.....	\$730,330 11	\$15,881,393 20	\$16,611,723 31

TRUST FUNDS.— *Continued.*

FUNDS.	Cash.	Par Value of Investments.	Total Resources.
<i>Brought forward</i>	\$730,330 11	\$15,881,393 20	\$16,611,723 31
Bolton Fund.....		500 00	500 00
Burrell Ether Prize Fund.....		1,000 00	1,000 00
Martha Howard Thurston Carter Fund..		2,000 00	2,000 00
Cheever Fund.....		3,500 00	3,500 00
Patrick A. Collins Memorial Library Fund.....	30 00	500 00	530 00
Silas Durkee Fund.....	50 00	15,000 00	15,050 00
Charles F. Folsom Fund.....		5,000 00	5,000 00
Daniel S. Ford Fund.....		6,000 00	6,000 00
Fosdick Fund.....		14,463 98	14,463 98
Goodnow Fund.....		26,000 00	26,000 00
Goodnow Library Fund.....		1,000 00	1,000 00
Hemenway Fund.....		5,000 00	5,000 00
Dr. George S. Hyde Fund.....		5,000 00	5,000 00
Keyes Fund.....		2,101 10	2,101 10
Shuman Memorial Building for Con- valescent Men.....		104,210 34	104,210 34
Nichols Fund.....		2,000 00	2,000 00
Norcross Fund.....		2,000 00	2,000 00
Nurses' Fund.....	295 34	17,930 00	18,225 34
Perkins Fund.....		7,500 00	7,500 00
Robey Fund.....	3,056 26		3,056 26
Shaw Fund.....		2,000 00	2,000 00
Hettie Lang Shuman Memorial Fund....		2,000 00	2,000 00
Timothy Smith Fund.....		5,000 00	5,000 00
Joseph Thompson Fund.....	1 41	3,775 00 (Book value \$3,745 90)	3,776 41
Watson Free Bed Fund.....		8,112 13	8,112 13
Mehitable C. C. Wilson Fund.....		500 00	500 00
Consumptives' Hospital Department, Susan H. Leeds Bequest.....		12,043 45	12,043 45
Copenhagen Fund.....		5,000 00	5,000 00
Curley-Parker Fund.....		200 00	200 00
Fitzgerald Firemen's Gold Medal Fund....		1,000 00	1,000 00
Foss Seventeenth of June and Flag Funds..		4,000 00	4,000 00
John Foster Fund.....		657 79	657 79
<i>Carried forward</i>	\$733,763 12	\$16,146,386 99	\$16,880,150 11

TRUST FUNDS.— *Continued.*

FUNDS.	Cash.	Par Value of Investments.	Total Resources.
<i>Brought forward</i>	\$733,763 12	\$16,146,386 99	\$16,880,150 11
Franklin Fund, First Part, Accumulated..		6,000 00	6,000 00
Franklin Fund, Second Part, Accumulating,		476,348 99	476,348 99
Franklin Union, Andrew Carnegie Donation,		408,396 48	408,396 48
George O. Hovey Bequest.....	40,000 00		40,000 00
George B. Hyde Bequest.....	971 73	6,000 00	6,971 73
Ellen C. Johnson Bequest.....	793 36	6,000 00	6,793 36
John Larkin Fund.....		535 00	535 00
Old State House Repair Fund (Charles E. French).....		3,000 00	3,000 00
Harleston Parker Medal Fund.....		1,000 00	1,000 00
George F. Parkman Fund Principal.....	809 86	5,443,500 00 (<i>Book value</i> \$5,208,551 64)	5,444,309 86
Phillips Street Fund.....		20,000 00	20,000 00
Police Charitable Fund.....		207,550 00	207,550 00
Poor Widow's Fund.....		3,200 00	3,200 00
Public Library Funds:			
Artz Fund.....		10,000 00	10,000 00
Bates Fund.....		50,000 00	50,000 00
Bernard Fund.....		2,000 00	2,000 00
Bigelow Fund.....		1,000 00	1,000 00
Robert Charles Billings Fund.....		100,000 00	100,000 00
Bowditch Fund.....		10,000 00	10,000 00
Bradlee Fund.....		1,000 00	1,000 00
Joseph H. Center Fund.....	8 89	39,900 00 (<i>Book value</i> \$39,511 50)	39,908 89
Central Library Building Fund.....		150 00	150 00
Children's Fund.....	117 74	103,000 00 (<i>Book value</i> \$99,882 26)	103,117 74
Frank Clement Fund.....		2,000 00	2,000 00
Henry Sargent Codman Memorial Fund,	854 41	2,000 00	2,854 41
Cutter Fund.....	70 00	4,200 00	4,270 00
Elizabeth Fund.....		25,000 00	25,000 00
Daniel S. Ford Fund.....		6,000 00	6,000 00
Franklin Club Fund.....		1,000 00	1,000 00
Gardner Fund.....		5,000 00	5,000 00
Morris Gest Fund.....		2,652 50	2,652 50
<i>Carried forward</i>	\$777,389 11	\$23,092,819 96	\$23,870,209 07

TRUST FUNDS. — *Continued.*

FUNDS.	Cash.	Par Value of Investments.	Total Resources.
<i>Brought forward</i>	\$777,389 11	\$23,092,819 96	\$23,870,209 07
Public Library Funds, <i>Continued.</i>			
Green Fund.....	500 00	1,500 00	2,000 00
Charlotte Harris Fund.....		10,000 00	10,000 00
Thomas B. Harris Fund.....		1,000 00	1,000 00
Hemenway Fund.....		5,000 00	5,000 00
Franklin P. Hyde Fund.....	32 40	3,600 00	3,632 40
Arthur Mason Knapp Fund.....		10,000 00	10,000 00
Kimball Fund.....		10,000 00	10,000 00
Louis E. Kirstein Fund.....		5,000 00	5,000 00
Abbott Lawrence Fund.....		10,000 00	10,000 00
Edward Lawrence Fund.....		500 00	500 00
Mrs. John A. Lewis Fund.....		5,000 00	5,000 00
Charles G. Loring Memorial Fund.....		500 00	500 00
Charles Mead Fund.....		2,500 00	2,500 00
North Fund.....		2,000 00	2,000 00
O'Reilly Memorial Fund.....		1,000 00	1,000 00
Phillips Fund.....		30,000 00	30,000 00
Pierce Fund.....		5,000 00	5,000 00
Pratt Fund.....	904 18	590 00	1,494 18
Reed Fund.....		1,000 00	1,000 00
Sargent Fund.....		3,858 24	3,858 24
Scholfield Fund.....		61,800 00	61,800 00
Francis Skinner Fund.....	2 14	51,730 00 <i>(Book value \$46,180 00)</i>	51,732 14
South Boston Branch Library Fund.....		100 00	100 00
James Jackson Storrow (Harvard '57) Fund.....		25,000 00	25,000 00
Stewart Fund.....		3,500 00	3,500 00
Ticknor Fund.....		4,000 00	4,000 00
"The Oakland Hall" Fund.....	1 44	11,780 00	11,781 44
Todd Fund.....		50,000 00	50,000 00
Townsend Fund.....		4,000 00	4,000 00
Treadwell Fund.....	37 69	13,950 00	13,987 69
Nathan A. Tufts Fund.....	31 77	10,100 00	10,131 77
Richard Black Sewall Fund.....		25,000 00	25,000 00
Twentieth Regiment Memorial Fund....		5,000 00	5,000 00
George C. Wales Fund.....		5,000 00	5,000 00
<i>Carried forward</i>	\$778,898 73	\$23,471,828 20	\$24,250,726 93

TRUST FUNDS.— *Continued.*

FUNDS.	Cash.	Par Value of Investments.	Total Resources.
<i>Brought forward.....</i>	\$778,898 73	\$23,471,828 20	\$24,250,726 93
Public Library Funds, <i>Concluded.</i>			
Mehitable C. C. Wilson Fund.....		1,000 00	1,000 00
Alice Lincoln Whitney Fund.....		5,000 00	5,000 00
James Lyman Whitney Fund.....	77 54	18,500 00	18,577 54
George L. Randidge Fund.....		50,000 00	50,000 00
Sawyer Marcella Street Home Fund.....		2,400 00	2,400 00
School Funds:			
Bowdoin Dorchester Fund.....		4,500 00	4,500 00
Comins School Library Fund.....		500 00	500 00
Peter P. F. Degrand Fund.....	2,000 00	27,100 00	29,100 00
Devens Infant School Fund.....		1,000 00	1,000 00
Eastburn Fund.....		11,000 00	11,000 00
Franklin Medal Fund.....		1,000 00	1,000 00
Gibson Fund.....	600 43	77,040 00	77,640 43
Henry B. Hall Fund.....		15,106 28	15,106 28
Ensign David A. Hoffman Memorial Fund.....		1,000 00	1,000 00
Goulston Memorial Fund.....		1,000 00	1,000 00
Horace Mann School Funds:			
Susan E. Gavett Fund.....		5,000 00	5,000 00
Mrs. John A. Lewis Fund.....		1,000 00	1,000 00
Samuel E. Sawyer Fund.....		2,400 00	2,400 00
Latin School Prize Fund.....		1,050 00	1,050 00
Lawrence High School Fund.....		2,000 00	2,000 00
Lawrence Latin School Fund.....		2,000 00	2,000 00
Milmore Brimmer School Fund.....		500 00	500 00
Norcross School Library Fund.....		1,000 00	1,000 00
Prince School Fund.....		190 00	190 00
Sherwin School Graduates' Fund.....		1,000 00	1,000 00
Smith Fund.....		8,600 00	8,600 00
Stoughton Fund.....		5,300 00	5,300 00
Teachers' Waterston Fund.....		4,800 00	4,800 00
Webb Franklin School Fund.....		2,800 00	2,800 00
Walter Scott "Medal for Valor" Fund....	770 00	2,000 00	2,770 00
George L. Thorndike Coal Fund.....		10,000 00	10,000 00
Permanent School Pension Fund.....	P. 858 71 I. 19,067 75	970,000 00 (Book value \$948,315 53)	989,926 46
<i>Carried forward.....</i>	\$802,273 16	\$24,707,614 48	\$25,509,887 64

TRUST FUNDS.— *Concluded.*

FUNDS.	Cash.	Par Value of Investments.	Total Resources.
<i>Brought forward.....</i>	\$802,273 16	\$24,707,614 48	\$25,509,887 64
Public School Teachers' Retirement Fund..	15,800 34	1,268,203 91 <i>(Book value \$1,247,584 76)</i>	1,284,004 25
George R. White Fund, Principal.....	6,394 84	1,126,000 00 <i>(Book value \$1,083,683 04)</i>	1,132,394 84
George R. White Fund, Income.....	44,745 02	113,000 00 <i>(Book value \$111,935 70)</i>	157,745 02
George R. White Fund, Foundation, Be- quest of Mary E. Curley.....		500 00	500 00
	\$869,213 36	\$27,215,318 39	\$28,084,531 75

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ANNUAL REPORT
OF THE
WEIGHTS AND MEASURES DEPARTMENT
FOR THE YEAR 1930.

BOSTON, February 2, 1931.

HON. JAMES M. CURLEY,
Mayor of Boston.

SIR,— In compliance with chapter 3, section 24, of the Revised Ordinances of 1925, I transmit herewith the annual report of this department for the year 1930.

In this report I have incorporated an outline of the present organization, the laws under which it functions and an explanation of the department's activities and accomplishments.

FOREWORD.

Among the many agencies of our present day civilization, there are but few that surpass in real importance the weights and measures of a people, particularly when considered as applied in their daily life. From time immemorial the delivery of honest weight and measure and the elimination of fraud and deceit have been an issue in commercial transactions.

The loss to the purchasing public and honest merchant alike through short weights and measures, and from ignorance of the correct method of weighing and

measuring, in a commercial and industrial center like Boston, would run into millions of dollars annually, if adequate supervision of weighing and measuring devices, together with the reasonable control of the users thereof, was lacking.

During the past year full realization of the deep value to the people of Boston of honest weights and measures stimulated the Sealer and his deputies in the performance of their duties and as a result of honest, fearless and impartial enforcement of the laws, a high degree of protection was accorded all of our citizens.

ORGANIZATION.

Under the provisions of the General Laws, chapter 98, section 34, subject to chapter 31, it is mandatory that the Mayor of each city and the selectmen of each town of over 10,000 inhabitants, shall appoint a Sealer of Weights and Measures and may appoint one or more Deputy Sealers to act under the direction of the Sealer.

The Boston department of Weights and Measures was established by ordinance in 1890, although, yearly, previous to its creation, beginning a few years after the founding of the town, sealers of weights and measures were appointed.

The present personnel consists of a sealer, chief clerk, chief deputy sealer, thirteen deputy sealers, a coal inspector and a mechanician.

To expedite the work of the department, ten $\frac{1}{2}$ -ton trucks and one 2-ton truck are in operation, driven by deputy sealers, to whom they are assigned. These trucks are all equipped with the working standards of weights and measures and such tools and appliances as are necessary for the proper performance of the duties which come within the scope of the department.

All deputies are required to report at the office on or before 9 a. m. each working day, at which time they submit reports and the fees collected for the previous day.

The headquarters of the department, consisting of an office and work room in which are kept the primary standards, are located in Rooms 105, 106 and 107, City Hall Annex, Court street, Boston.

POWERS AND DUTIES.

The powers and duties of the Sealer and his deputies are enumerated in the General Laws, chapters 94, 98, 101, acts and amendments thereof and additions thereto, and briefly stated are in substance, as follows: Annually, sealers shall give notice, by advertisement or by posting notices in one or more public places in their cities, towns, or districts, to all inhabitants or persons having usual places of business therein, using weighing or measuring devices for the purpose of buying or selling goods, wares or merchandise; for public weighing; or for hire or reward; to bring them in to be tested, adjusted and sealed. After giving said notice, sealers shall go to the houses, shops or vehicles of persons not complying therewith and shall test and adjust, seal or condemn, in accordance with the results of their tests, the weighing and measuring devices of such persons. A sealer or his deputies may seize without a warrant, weighing or measuring devices, necessary to be used as evidence in the violation of the laws, relative to the sealing thereof and may also seize devices not conforming to the legal standards. In addition, sealers and deputies are authorized to enforce the laws pertaining to the giving of false weight or measure; the laws relative to the licensing of hawkers, peddlers and transient vendors; the examination of coal, as to quality, and the reweighing of this commodity when sold or offered for sale; the examination and inspection of containers, the size and dimension of which are fixed by law; the investigation of complaints and the necessary court procedure when the evidence warrants such action.

DEPARTMENTAL ACHIEVEMENTS.

The achievements of the department during the year 1930 were many, and the results obtained proved highly beneficial to the purchasing public and to the honest merchant. Daily, throughout the entire year, through earnest effort and honest endeavor on the part of the officials, a campaign for honest weights and measures was vigorously carried on, saving thereby to buyers of commodities thousands of dollars that otherwise might have been lost through the short weighing or measuring, if vigilance had not been the watchword.

Since practically everything we make, eat, drink, buy or sell is in the final analysis measured, everybody is, or at least should be, interested in the work of this department and should at all times lend it hearty support and cooperation in its efforts to serve as a clearing house to all of our citizens in their daily problems that relate to quantity determination.

The work of the department, to say the least, is exacting and at times arduous, and, notwithstanding the fact that its progress has been more or less retarded through much sickness on the part of several of the employees during the past year, the sealer believes that the following outline of departmental activities and accomplishments clearly emphasize the assertion that every effort was made to promote fair dealing between the seller and the buyer.

BUSINESS CONCERNS SERVED — DEVICES SEALED.

As the primary duty of the sealer is to test, adjust and seal all weighing and measuring devices in general use, the department in its efforts to insure the use of correct devices gave its services to 14,092 business concerns in the progress of which 62,754 devices were tested and sealings that totaled 88,256 were made. The devices tested comprised a wide variety and included scales of all descriptions; troy, metric, apothecary and avoirdupois weights; liquid and dry measures; gasolene pumps and meters; vehicle tanks; yardsticks and measuregraphs; leather measuring machines and taximeters.

DEPARTMENTAL INCOME, PRESENT FEE SYSTEM.

For the work of adjusting and sealing various devices, the law has established fees, many of which are entirely inadequate and fail to properly compensate the city, when the time and energy expended and the expense incurred are taken into consideration. They should be revised and re-established on a basis that will provide a more equitable return and tend to make the department more self-supporting. During the year 1930, the income derived amounted to \$15,115.18. The following financial statement shows in detail the amount collected for both adjusting and sealing of devices together with a comparative statement showing the total income annually for the past ten years.

Financial Statement for the Year 1930.

Fees charged for sealing devices	\$11,890 91
Fees charged for adjusting devices	3,224 27
Total fees charged for work done in 1930 .	\$15,115 18
Bills outstanding on December 31, 1930, for work done in 1930	236 71
Cash collected for work done in 1930	\$14,878 47
Cash collected on bills receivable on January 1, 1930	266 38
Total cash collected and turned in to City Collector	\$15,144 85
Deposited cash received for sale of junk and for damages received from automobile accidents .	29 25
Total amount of receipts from City Collector,	<u><u>\$15,174 10</u></u>

Department Income for Past Ten Years.

1921	\$12,258 96	1926	\$13,001 61
1922	11,255 14	1927	14,103 59
1923	10,635 88	1928	14,748 28
1924	12,187 64	1929	14,899 84
1925	* 11,823 70	1930	15,115 18

REWEIGHINGS, INSPECTIONS, REINSPECTIONS.

While it must be admitted that the work of testing and sealing of devices is of prime importance inasmuch as it establishes at the outset the correctness of the devices, in the possession of the merchants and dealers, the work would prove of small value, if subsequent effort was not made to determine how these same devices were being used. Fortunately the great majority of our merchants are inherently honest and welcome an investigation of their methods of doing business. It is the small minority of dishonest dealers whom we are obliged to constantly watch not only because of the grave injustice they practice on the general purchasing public but likewise because their unfair methods are a serious handicap to honest competitors. No feature of weights and measures work surpasses in importance the reweighing of commodities; the inspection of containers, the shape and dimensions of which are fixed by law, and the reinspection of

* Eleven-month year.

devices previously sealed. That the department realizes the full value of proper supervision in this field of endeavor becomes apparent from the examination of the appended tables that outline the various reweighings and inspections made. These tables follow:

Reweighings and Remeasurements.

COMMODITY.	Number.	Heavy.	Light.	Correct.
Coke.....	3	1	.....	2
Briquetts in paper bags.....	300	100	.....	200
Coal in paper bags.....	1,181	753	120	308
Wood in bags.....	25	.....	.....	25
Coal in 100-pound lots.....	877	449	55	373
Large loads of coal.....	564	399	30	135
Loads of coal for city schools.....	235	92	9	134
Mixed cement.....	1	.....	.....	1
Laundry (wet wash).....	1	.....	.....	1
Ice.....	41	33	.....	8
Various food commodities.....	349	2	.....	347
Sugar.....	137	5	2	130
Fruit and produce.....	325	62	61	202
Bagged potatoes.....	20	2	18	
Flour.....	64	5	.....	59
Bread.....	557	121	13	423
Butter.....	416	6	6	404
Tea and coffee.....	418	5	.....	413
Meat.....	243	23	27	193
Fish.....	8	.....	.....	8
Cake.....	18	6	5	7
Candy.....	25	.....	.....	25
Peanuts.....	7	.....	7	
Rayon in bolts.....	3	1	2	
Gasolene.....	1	.....	.....	1
Vinegar.....	29	.....	.....	29
Ice cream.....	1	.....	.....	1
Fuel oil.....	2	.....	.....	2
Totals.....	5,851	2,065	355	3,431

General Inspections.

Coal inspected for quality	567
Stores visited for reinspection	421
Transient vendors investigated	12
Scales reinspected on complaint	8
Taximeters reinspected on complaint	4
Gasolene pumps reinspected on complaint	7
Cloth-measuring machines inspected	2
Cigarette machine inspected	1
Steel-testing machine inspected	1
<i>Carried forward</i>	1,023

<i>Brought forward</i>	1,023
Liquid meter inspected	1
Vehicle tanks re-examined on complaint	2
Counting machine examined	1
Naphtha can examined for contents	1
Ice cream cartons inspected	1,129
Wholesale milk cans inspected	400
Milk jars inspected	364
Milk jars tested	22
Food packages inspected	1,058
Price signs of ice on vehicles inspected	63
Bread labels inspected	4
Glass graduates inspected	58
Clinical thermometers inspected	14
Metal ice cream cans inspected	248
Berry boxes inspected	36
Standard barrels and boxes inspected	1,000
Standard boxes tested	50
Cranberry boxes inspected	422
Peddlers inspected for licenses, scales, etc.:	
Coal peddlers	749
Ice peddlers	438
Produce	426
Junk	31
Ice cream	28
Paper bags	10
Song sheets	5
Neckties	4
Novelties	3
Bakery products	2
Tintype photos	2
Flowers	2
Wood	1
Kerosene oil	1
Watch peddler	1
Dry goods	1
Total inspections	<u>7,600</u>

COMPLAINTS AND PROSECUTIONS.

During the past year the number of complaints registered with the department totaled 111, each one of which was carefully investigated and a formal report of the results obtained submitted to the individual complainant. It is the policy of this department to encourage both dealers and the general purchasing public to report all cases relative to the violations of transactions in which weights and measures are involved.

In addition to the investigation of complaints made to the department, independent investigations were also made on our own initiative, with the result that 86 cases for violations of the laws were presented to the courts and fines amounting to \$1,137 were assessed.

The tabulations of the complaints investigated and the court cases prosecuted follow:

Complaints Received and Investigated.

On weight of:

Coal	26
Meat	17
Butter	3
Bread	2
Sugar	1
Ice	3
Mixed cement	1
Laundry	1

On measure of:

Gasolene and fuel oil	7
Bolt of rayon	1

Regarding:

Net weight packages	3
Coal quality	5
Labels on food packages	4
Nondelivery of coal certificates	1
Ice cream shortage	2
Cigarette machine	1
Cigar packer	1
Ice cream cans	2
Vehicle tank of oil	1
Gasolene pump	1
Taximeter	1
Standard boxes	1
Scales	4
Berry boxes	2

Regarding peddlers:

Coal	6
Ice	3
Song sheets	3
Produce	1
Paper bags	1
Watches	1
Novelties	1
Transient vendors	4

Total number of complaints	<u>111</u>
--------------------------------------	------------

VIOLATION.	Number.	Guilty.	Not Guilty.	Fined.	Filed.	Discharged.	Defaulted.	Pending.	Amount of Fines.	
Short weight on:										
Coal.....	18	15	2	13	2	2	1	.....	\$464 00	And 2 days in jail.
Meat.....	9	4	4	3	1	4	.....	1	45 00	
False scale.....	8	8	.....	7	1	.....	.....	.....	150 00	
Unsealed scale.....	3	3	.....	1	2	.....	.....	.....	5 00	
No license to peddle coal.....	11	11	.....	10	1	.....	.....	.....	185 00	
Peddling coal on expired license.....	1	1	.....	1	.....	.....	.....	.....	10 00	
For not delivering a coal certificate.....	5	4	1	3	1	1	.....	.....	70 00	
For not weighing coal.....	3	3	.....	3	.....	.....	.....	.....	45 00	
For not marking coal bags.....	6	6	.....	4	2	.....	.....	.....	75 00	
No permit to peddle ice.....	6	5	.....	1	4	.....	.....	.....	5 00	Two cases canceled by court.
For not reporting monthly to Health Department with ice wagon.....	1	1	.....	1	.....	.....	.....	.....	20 00	
For not giving Sealer list of ice prices.....	1	1	.....	1	.....	.....	.....	.....	10 00	
For not posting ice prices on vehicle.....	6	4	.....	1	3	.....	.....	.....	10 00	Two cases canceled by court before plea.
For not having scale on ice vehicle.....	1	1	.....	.....	1	.....	.....	.....		
Interfering with deputy sealer.....	2	1	1	1	.....	1	.....	.....	10 00	
No license to peddle bakery goods.....	1	1	.....	1	.....	.....	.....	.....	3 00	
No license to peddle song sheets.....	1	1	.....	.....	1	.....	.....	.....		
No license to peddle wreaths *.....	1	1	.....	1	.....	.....	.....	.....	5 00	
For permitting his minor son to peddle paper bags without license.....	1	1	.....	1	.....	.....	.....	.....	25 00	
Short weight in Jewish Matzoth.....	1	.....	.....	.....	.....	.....	.....	.....	.....	Summons refused by court.
Totals.....	86	72	8	53	19	8	1	1	\$1,137 00	And 2 days in jail.

* Prosecuted by State Inspector aided by our Deputy Sealer.

HAWKERS, PEDDLERS, TRANSIENT VENDORS.

Throughout the past year the department devoted much time to the supervision of hawkers, peddlers and transient vendors. Particular attention was given to those of this class who operate in the market district on Saturday evenings and on evenings previous to holidays. As the department is charged with the enforcement of all laws relative to this class of dealers, our activities produced excellent results. Licenses are issued to hawkers and peddlers by the Health Department of Boston and the Division of Standards of the State of Massachusetts. Through these agencies a total of 1,506 licenses were granted which resulted in enriching the city treasury to the extent of \$15,555.45. This income was in the main due to the activity of this department in enforcing the laws relative to hawkers and peddlers.

EXPENDITURES OF THE DEPARTMENT FOR 1930.

Salaries:

A- 1. Employees	\$37,087 58	
A- 2. Temporary Deputy Sealer	736 32	
		\$37,823 90

Office expenses:

B- 1. Binding of records	\$12 00	
B- 3. Advertising	10 55	
B-12. Bonds	15 00	
D- 1. Stationery	594 64	
		632 19

Transportation:

B- 4. Railroad and local car and ferry fares, ...	\$112 56	
B-14. Care and repair of automobiles	2,498 73	
B-35. Fees for registration of cars	26 00	
C- 4. Equipment for automobiles	1,044 89	
D-11. Supplies for automobiles	980 88	
		4,663 06

Plant Maintenance:

B-39. Repairs on equipment	\$30 50	
C-13. Tools and instruments	1,157 68	
D-16. Miscellaneous supplies	10 63	
		1,198 81

Total expenditures	<u>\$44,317 96</u>
------------------------------	--------------------------

CONCLUSION.

In concluding this report for the department for 1930, the Sealer desires to emphasize the fact that it is and should be considered by the municipality one of the most important offices operating under our present form of government. Upon the honesty and efficiency of the officials charged with the enforcement of all laws

relative to weights and measures depends the welfare of our citizens in those transactions which involve quantity determinations. That no effort was spared on the part of the employees to bring about an ideal state of affairs finds, we believe, full expression in an examination of our activities and accomplishments. To the employees, therefore, to his Honor the Mayor, to the Press, to the Director of Standards of Massachusetts, and to all those public-spirited citizens who, throughout the year, have lent their aid and support to the department, sincere thanks is extended.

Appended is a complete table of the testing, adjusting, sealing and condemning of the various devices in use in Boston during 1930.

Respectfully submitted,

JAMES A. SWEENEY,
Sealer.

APPENDIX.

VARIOUS DEVICES TESTED DURING THE YEAR.

TYPE OF DEVICE.	Sealed.	Adjusted.	Con- demned.	Sealed After Repairs.	Not in Use.
Platform scales over 5,000 pounds.....	455	60	34	17	
Hoppers.....	19				
Dormants.....	1	1			
Tracks.....	5	3			
Bolt machines.....	2				
Leather measuring machines.....	5	.....	.....	.....	1
Leather frames.....	3				
Taximeters (F).....	2,581	(F) 1,839	51		
Vehicle tanks.....	* 122				
Vehicle tank meters.....	32				
Gasolene meters (A).....	(A) 673	494	20	5	
Gasolene pumps (B).....	(B) 1,033	889	108	18	2
Oil pumps (C).....	(C) 1,367	1,074	6	2	10
Grease pumps (D).....	(D) 6	.....	.....	.....	1
Paint pumps (E).....	(E) 24	.....	.....	.....	36
Platform scales: 100 to 5,000 pounds.....	3,608	1,574	177	58	64
Beams.....	96	6	7	1	4
Hoppers.....	23	1	.....	2	
Pans.....	398	53	35	18	4
Ice and coal springs.....	1,058	.....	21	140	
Computing platforms.....	235	46	18	12	
Personal weighing machines.....	662	15	24	2	6
Counters over 100 pounds.....	6	2	1		
Track scales.....	256	65	11	9	2
Spring platforms.....	158				
Dormants.....	428	213	8	4	5
Large springs.....	21	.....	1		
<i>Carried forward.....</i>	13,277	6,335	522	288	135

* Compartments contain 31,452 gallons on 37 vehicles.
 (A, B, C, D, E) contains 24,974 stops — each sealed.
 (F) First tests on taximeters.
 14,092 parties served during the year.

VARIOUS DEVICES TESTED DURING THE YEAR.— *Concluded.*

TYPE OF DEVICE.	Sealed.	Adjusted.	Con- demned.	Sealed After Repairs.	Not in Use.
<i>Brought forward</i>	13,277	6,335	522	288	135
Automatic scales.....	11	.....	.....	.....	2
Counters under 100 pounds.....	3,089	859	58	15	13
Beams under 100 pounds.....	2	.....	.....	.....	2
Springs under 100 pounds.....	6,786	1,773	199	220	25
Computing plats under 100 pounds.....	4,419	1,666	249	71	15
Drug scales.....	143	41	5	2	1
Computing springs.....	191	52	.....	2	
Trip scales.....	199	22	7	2	
Weights — Avoirdupois.....	27,710	2,163	26		
Apothecary.....	1,776	32	48		
Metric.....	474	6	1		
Troy.....	25				
Yardsticks.....	1,926	.....	8	.....	1
Measuregraphs.....	449	.....	1		
Wire measurer.....	1				
Wood baskets.....	19	.....	1		
Wet measures.....	2,218	3	3	.....	3
Dry measures.....	39				
Totals.....	62,754	12,952	1,128	600	197

SUMMARY OF DEVICES SEALED.

DEVICE.	Sealed.	Adjusted.	Condemned.
Scales of all descriptions.....	22,269	6,452	855
Measuring machines.....	460	.....	1
Taximeters.....	2,581	1,839	51
Vehicle tanks and tank meters.....	154		
Measuring pumps and meters.....	3,103	2,457	134
Dry and wet measures.....	2,276	3	4
Weights of all description.....	29,985	2,201	75
Yardsticks.....	1,926	.....	8
Totals.....	62,754	12,952	1,128

ACTUAL NUMBER OF TESTS MADE ON DEVICES DURING
THE YEAR.

Devices of all types sealed	62,754
Devices condemned and not repaired	528
Stops on measuring pumps; each stop tested and sealed	24,974
	<u>88,256</u>



SEVENTH ANNUAL REPORT

OF THE

BOARD OF ZONING ADJUSTMENT

FOR THE YEAR ENDING DECEMBER 31, 1930.

Boston, February 1, 1931.

*To the Mayor of the City of Boston
and*

To the General Court of the Commonwealth of Massachusetts:

In accordance with the provisions of section 20, chapter 488, of the Acts of the year 1924, and amendments thereto, the Board of Zoning Adjustment of the City of Boston submits herewith in the form of its seventh annual report a statement of its acts and doings for the year ending December 31, 1930.

Two changes have taken place in the personnel of the Board during the past year, *i. e.*:

B. Preston Clark, who was appointed November 11, 1930, upon nomination by the Associated Industries of Massachusetts, succeeding W. Irving Bullard, who resigned in August, 1930, and

James R. Gibson, who was appointed April 3, 1930, upon nomination by the Master Builders' Association, succeeding William H. Sayward, who resigned on February 3, 1930.

In other respects the membership of the Board and its organization remain unchanged. Frederic H. Fay, a member *ex officio*, as chairman of the City Planning Board, has served as chairman of the Board of Zoning Adjustment since its creation in 1924, with Leo Schwartz, secretary, and Elisabeth M. Herlihy, clerk. The method of procedure also remains unchanged. Public hearings and executive sessions are held monthly or as found necessary, while the practice of making an official trip in a body to view the premises affected by each petition has been continued. The subcommittee on legal matters, consisting of Messrs. Schwartz, Brewster and Jones, has continued to function throughout the year as in the past in the more analytical considerations of the legal phases of the Zoning Law, while other subcommittees for the consideration of specific problems have been appointed from time to time as occasion arose.

All public hearings and executive sessions have been held in the office of the City Planning Board, the staff rendering such further assistance as was found necessary in the way of investigations, field surveys, drafting and clerical work.

Twenty-one public hearings were scheduled during the past year on direct petitions for changes in the boundary lines of the zoning districts.

In connection with these petitions—

Eight changes have been made in zoning boundary lines;

Four petitions were dismissed without prejudice, either upon request of petitioner for postponement or on account of failure to comply with requirements with regard to advertisement and public notice; and in

Nine instances no change was made inasmuch as the petitioners, in the opinion of the members of the Board, did not advance sufficient reasons within the principles laid down by the statute for changing the boundary lines in the particular localities involved.

In the case of each petition a detailed record of proceedings has been filed in the office of the Building Commissioner, as required by law, including a verbatim record of the public hearing, the vote of each member

participating, the absence of a member or his failure to vote, and the reasons for the decision made. Such record is open to public inspection, and notice of the decision has been mailed to all parties in interest. When the decision has been favorable an amended map, showing the change authorized, has been filed at the office of the Secretary of the Commonwealth and also at the office of the Building Commissioner of the City of Boston.

A detailed analysis of the work of the Board during the year 1930 in combination with a similar analysis of the work of previous years, including the number of petitions received and the nature of the changes comprehended, both individually and grouped under various headings, together with a record of the action of the Board in each case, is appended to this report.

In one instance, during the year 1930, a decision authorizing a change in the boundary lines of the Zoning Districts was made the subject of court appeal but no opinions have been handed down in connection with this or other previous appeals involving the Board of Zoning Adjustment. This means that, although two hundred and nineteen petitions have been acted upon since the organization of the Board of Zoning Adjustment in 1924, there have been only seven attempts to overrule a decision of the Board by parties who considered themselves aggrieved by the action taken. Three of these appeals have been dismissed, three are pending, and in one case, although the decision itself was quashed, the constitutionality of the Board was upheld.

An amendment to the Zoning Law was enacted by the Legislature during the past year in the form of chapter 347 of the Acts of 1930. This measure, which is a modification of House No. 893 (1930) as introduced by his Honor the Mayor upon recommendation of the various departments having to do with the administration of the Zoning Law, defines semi-detached and pair of semi-detached buildings; gives permission for the storage of fifty tons of ice instead of twenty in general business districts; clarifies the former phraseology with regard to building area limitations in 35 or 40 foot single or general residence districts, and further strengthens the provisions with reference to occupancy in the 35-foot districts.

The seven amendments thus far enacted comprise:

- 1925 — chapter 219.
- 1926 — chapter 350.
- 1927 — chapter 220.
- 1928 — chapter 70; chapter 137.
- 1929 — chapter 88.
- 1930 — chapter 347.

For the third time (1928, 1929 and 1930) an amendment drawn in conference between the various groups and individuals concerned with the administration of the Zoning Law, providing for certain modifications so far as side yard and setback provisions are concerned, although receiving substantial support before the Committee on Mercantile Affairs, was referred to the next annual session. Its re-introduction into the 1931 Legislature has been recommended. (House No. 228 and No. 230, 1931.)

A bill providing that the Court may in its discretion, in the event of *certiorari* proceedings, require the petitioner to give bond in order to indemnify the owner of the premises against loss and damage was given leave to withdraw. This bill also provides for the filing of a *lis pendens* in the Registry of Deeds in the case of *certiorari* proceedings. This bill also is being re-introduced into the 1931 session. (House No. 226, 1931.)

A bill providing for substitute members on the Board of Zoning Adjustment was also given leave to withdraw and its re-introduction to the 1931 Legislature was not recommended.

House No. 231 (1931) provides that any petition for changing the Zoning map shall be accompanied by a fee of \$25 before being considered by the Board.

A recent opinion of the Supreme Judicial Court in the case of Dennis J. Kane and others *vs.* Board of Appeals of the City of Medford and another, is to the effect that the list of owners of all property deemed to be affected by the change requested must be ascertained and determined from the designated source and the notices mailed by the Board itself rather than delegating this duty to the petitioner as has been the custom in the past. This ruling in its application to the Board of Zoning Adjustment may add materially to the expense borne by the City of Boston in connection with each petition, and while there is no direct or comparable relation between this expense of notice and advertisement

and the required filing fee, it was deemed expedient at this time to request that such fee be raised to \$25, largely as a deterrent to inconsequential and irrelevant petitions.

The Board has expended during the past year, in the performance of its duties, the sum of \$1,690.90. It has deposited with the City Collector during 1930 the sum of \$190 from filing fees received under the provisions of chapter 220 of the Acts of 1927. It has at the present time a balance on hand of \$293.42.

Respectfully submitted,

BOARD OF ZONING ADJUSTMENT,

FREDERIC H. FAY, *Chairman.*
(City Planning Board.)

LEO SCHWARTZ, *Secretary.*
(Appointed by Mayor.)

B. PRESTON CLARKE.
(Associated Industries of Massachusetts.)

PATRICK H. JENNINGS.
(Boston Central Labor Union.)

ELIOT N. JONES.
(Boston Chamber of Commerce.)

FRANK BREWSTER.
(Boston Real Estate Exchange.)

DANA SOMES.
(Boston Society of Architects.)

FRANK O. WHITNEY.
(Boston Society of Civil Engineers.)

W. FRANKLIN BURNHAM.
(Massachusetts Real Estate Exchange.)

JAMES R. GIBSON.
(Master Builders' Association.)

J. H. GILBODY.
(Team Owners' Association.)

CLIFFORD NELSON CANN.
(United Improvement Association.)

APPENDIX I.

Detailed analysis of the work of the Board of Zoning Adjustment during the year 1930 in combination with an analysis of the work of the preceding years, including the number of petitions received and the nature of the changes comprehended, both individually and grouped under various headings, together with a record of the action of the Board in each case. There is also included a brief explanation of the symbols used in the zoning plan.

APPENDIX I.

DETAILED ANALYSIS OF THE WORK OF THE BOARD OF ZONING ADJUSTMENT COVERING THE YEARS 1924-28, AND 1929 AND 1930.

GROUPING BY NUMBER OF PETITIONS.				(5 Years.) 1924-28.	1929.	1930.	Grand Total.
Number of petitions received.....				174	14	21	209
Board of Appeal cases reviewed.....				5	5	...	10
Number of petitions withdrawn or defaulted or dismissed without prejudice.....				32	1	4	37
Number of public hearings held.....				147	18	17	182

GROUP BY NATURE OF PETITIONS.	1924-28. TOTAL. (5 Years.)			1929.			1930.			GRAND TOTAL.		
	Changes Made.	No Change Made.	Total.	Changes Made.	No Change Made.	Total.	Changes Made.	No Change Made.	Total.	Changes Made.	No Change Made.	Total.
Number seeking more restrictive regulations.....	16	12	28	...	1	1	1	...	1	17	13	30
Number seeking less restrictive regulations.....	27	87	114	6	6	12	7	9	16	40	102	142
Board of Appeal cases.....	3	2	5	4	1	5	...	...	...	7	3	10
Totals.....	46	101	147	10	8	18	8	9	17	64	118	182

ANALYSIS BY GROUPS.	1924-28. TOTAL. (5 YEARS.)			1929.			1930.			GRAND TOTAL.		
	Changes Made.	No Change Made.	Total.	Changes Made.	No Change Made.	Total.	Changes Made.	No Change Made.	Total.	Changes Made.	No Change Made.	Total.
From residence to business districts.....	19	57	76	3	4	7	4	8	12	26	69	95
From residence to industrial districts.....	....	2	2	....	....	....	....	1	1	....	3	3
Residence variations.....	10	17	27	1	2	3	3	....	3	14	19	33
Board of Appeal cases.....	3	1	4	3	1	4	....	....	....	6	2	8
From business to residence districts.....	5	8	13	....	....	....	....	....	....	5	8	13
From business to industrial districts.....	....	3	3	....	1	1	....	....	....	....	4	4
Business variations.....	4	4	8	1	....	1	1	....	1	6	4	10
Board of Appeal cases.....	....	1	1	1	....	1	....	....	....	1	1	2
From residence and business to residence.....	....	1	1	....	....	....	....	....	....	....	1	1
From residence and business to business.....	2	1	3	1	....	1	....	....	....	3	1	4
From residence and business to industrial.....	1	6	7	....	....	....	....	....	....	1	6	7
From industrial to residence and business.....	1	....	1	....	....	....	....	....	....	1	....	1
Height variations.....	1	....	1	....	....	....	....	....	....	1	....	1
Totals.....	46	101	147	10	8	18	8	9	17	64	118	182

ANALYSIS OF INDIVIDUAL PETITIONS.	1924-28. TOTAL. (5 YEARS.)			1929.			1930.			GRAND TOTAL.		
	Changes Made.	No Change Made.	Total.	Changes Made.	No Change Made.	Total.	Changes Made.	No Change Made.	Total.	Changes Made.	No Change Made.	Total.
From R-80 to R-155 and from L-80 to B-155.					1	1					1	1
From L-40 to R-35.		1	1								1	1
From L-40 plus.				* 1		1				1		1
From L-40 to R-40.		3	3								3	3
From L-40 and R-35 to S-35.		1	1								1	1
From L-40 to B-65.	1	1	2							1	1	2
From L-40 to I-80.	1		1							1		1
From L-65 to R-35.	2		2							2		2
From L-65 to R-40.		1	1								1	1
From L-65 to R-65.	2	1	3							2	1	3
From L-65 to B-65.	2		2							2		2
From L-80 to R-80.	1	1	2							1	1	2
From L-80 to B-80.							1		1	1		1
From L-80 to L-155.				1		1				1		1
From B-65 to I-80.		3	3		1	1					4	4
From B-80 to B-155.		* 1	1	* 1		1				1	1	2
From B-80 to B-155.	1	3	4							1	3	4
From B-80, L-80 and R-80 to B-155.	1		1							1		1
From I-80 to R-35 and L-65.	1		1							1		1
Totals.	46	101	147	10	8	18	8	9	17	64	118	182

* Review of decisions of Board of Appeal (chapter 350, 1926).

NOTE.—The following is submitted in explanation of the symbols used in the foregoing analysis. The provisions are in general only and subject to further definition in specific instances. In all cases, buildings must conform to the provisions of the Building Law of the City of Boston.

The *letter* denotes the use to which property in a particular area may be devoted.

The *figure* denotes the maximum building height permitted in a particular area; and also indicates the area of yards and other open spaces and the percentage of lot occupancy.

i. e.

- S* Denotes a Single Residence District in which no building or premises shall be erected, altered or used except for single-family detached dwellings; clubs; educational, religious, philanthropic, or other institutional uses; farms, gardens, nurseries or greenhouses; municipal recreational uses; railroad or street railway local passenger stations; cemeteries; and accessory uses customarily incident to any of the above permitted uses. Such accessory uses include garage space for not more than two automobiles, of which not more than one may be a commercial automobile, and garages in which the business of repairing is not conducted and in which not more than one commercial automobile is stored, provided after public hearing the Board of Street Commissioners grants a license therefor.
- R* Denotes a General Residence District in which, in addition to any use permitted in a single residence district, there are also permitted dwellings; clubs; hotels, under certain conditions; accessory uses customarily incident to any of the above uses; telephone exchange offices; and physicians' or dentists' offices.
- L* Denotes a Local Business District in which, in addition to any use permitted in a single or general residence district, there are also permitted hotels; fire stations; offices or banks; places of amusement or assembly; stables, under certain conditions; retail business or service; a limited amount of light industry incidental to one of the above uses; and filling stations or garages subject to special permits.
- B* Denotes a General Business District in which various classes of business are allowed, but from which certain trades, industries and uses considered detrimental to the general character of the neighborhood are specifically excluded.

I Denotes an Industrial District in which various classes of industries are allowed, but from which certain trades, industries and uses considered injurious, noxious or offensive to a neighborhood by reason of the emission of odor, fumes, dust, smoke, vibration or noise, are specifically excluded.

35-Foot District.— In a 35-foot district no building shall exceed 35 feet or $2\frac{1}{2}$ stories in height or accommodate or make provision for more than two families. There shall be a rear yard with a minimum depth of 25 feet behind every building other than an accessory building. In a single or general residence district, there shall be a side yard with a minimum width of 6 feet on each side of every building or pair of semi-detached buildings; and a minimum setback of 10 feet from the street line. The area of a dwelling shall not exceed 35 per cent, and of a building other than a dwelling 60 per cent of the area of the lot.

40-Foot District.— In a 40-foot district no building shall exceed 40 feet or 3 stories in height. There shall be a rear yard with a minimum depth of 20 feet behind every building other than an accessory building. In a single or general residence district, there shall be a side yard with a minimum width of 6 feet on each side of every building or attached group of buildings unless there is a party wall; and a minimum setback of 10 feet from the street line. The area of a dwelling shall not exceed 60 per cent, and of a building other than a dwelling 70 per cent, of the area of the lot.

65-Foot District.— In a 65-foot district no building shall exceed 65 feet or 5 stories in height. Yards and courts shall conform to the requirements prescribed for tenement houses by the building law. In residence districts, the setback lines established shall conform within certain limits to the prevailing setback in each block. The area of a dwelling shall not exceed 70 per cent, and of a building other than a dwelling 80 per cent, of the area of the lot.

80-Foot District.— In an 80-foot district no building shall exceed the height limit heretofore in effect in District B as established by the Commission on Height of Buildings in the City of Boston under chapter 333 of the Acts of 1904 and as thereafter revised.

(i. e., 80 feet, except that on streets exceeding 64 feet in width, buildings may be erected to a height equal to $1\frac{1}{4}$ times the street width, but not exceeding 100 feet in any event.)

In residence district, and for dwellings in any use district, the area of a building shall not exceed 80 per cent of the area of the lot.

155-Foot District.— In a 155-foot district, part of a building or structure may exceed such height providing the volume does not exceed the number of square feet of buildable area of a lot multiplied by 155 feet, and provided further that every part of such building or structure above a height equal to $2\frac{1}{2}$ times the effective width of the street but not exceeding 125 feet shall set back from every street and lot line 1 foot for each $2\frac{1}{2}$ feet of additional height.



ANNUAL REPORT
OF THE
BOSTON PORT AUTHORITY

FOR THE
YEAR ENDING DECEMBER 31, 1930.

Boston, December 29, 1930.

*To the Governor of the Commonwealth of Massachusetts, to
the General Court of Massachusetts, and to the Mayor
of Boston.*

In compliance with the provisions of chapter 229 of the Acts of 1929 the Boston Port Authority makes the following report:

During the year 1930 the Board has been at work on a variety of problems. These include:

1. Investigation and report to his Honor, the Mayor of Boston, as to those *port channel requirements*, assistance in respect to which could properly be sought through the Congressional Committee on Rivers and Harbors. (March, 1930.)

2. Report to his Excellency the Governor, and to the State Department of Public Works, as to *certain dredging operations in the harbor to be undertaken by the state*, immediate need for which was apparent to us. Items in this dredging program

were provided for in the supplementary budget of the state, work on the projects in question being partially completed in 1930 and set for completion in 1931. (April, 1930.)

3. Report to his Honor, the Mayor of Boston, pointing out some of the projects we believe should be undertaken for the good of the Port. These include the *possibility of reclamation for more extensive marine use of certain sections of the Atlantic avenue waterfront.* (August, 1930.)

4. Investigation and report to the State Department of Public Works of *wharfage and dockage charges and practices*, within the Port, with particular reference to those applying at Commonwealth Piers, and with inclusion of recommendations as to certain changes we believe desirable. (August, 1930.)

5. Report to his Honor, the Mayor of Boston, with reference to the *desirability of dredging certain areas on Bird Island Flats*, both to secure fill for the Airport at a minimum expense, and more particularly in order to provide for a much-needed anchorage ground in the upper harbor for deep water vessels and small boats. Such dredging would be undertaken under the auspices of the State Department of Public Works and legislation to that end is to be introduced in behalf of the city at the 1931 session of the General Court. (November, 1930.)

6. Report to District Engineer, War Department, in connection with the survey of the harbor to be undertaken by him, as authorized by Congress in the last Federal Rivers and Harbors bill, *this report indicating those areas within the Port to which we feel attention might properly be given by the Federal government.* Our report included a request for the removal of the so-called Middle Ground, for the deepening and widening of Weymouth Fore River from Hingham Bay to the Fore River Bridge, and for the removal of shoals and other obstacles in the vicinity of Commonwealth Pier No. 5 and the Army Base. (November, 1930.)

7. Investigation and report (jointly with the State Department of Public Works) under chapter thirty-seven of the acts of nineteen hundred and thirty, relative to the adequacy of the terminal

facilities of the Port of Boston and to *the desirability of the construction of a grain elevator on harbor front property of the Commonwealth at South Boston*. The gist of this report is contained in the following paragraph quoted therefrom:

“The data in this report have been attained from sources which are believed to be accurate and represent the situation so far as the quantities of grain are concerned. In view of the fact that the development of Oswego is in the future, and because any grain which reaches that point can be shipped to Boston over either the Boston & Albany or Boston & Maine tracks to the existing elevators belonging to these roads, elevators which have had capacity to handle all the grain which has reached the Port in past years, and because the New York, New Haven & Hartford Railroad is not prepared at the present time to lease the elevator if built, the Joint Board is not prepared to make a definite recommendation.”
(December, 1930.)

8. Investigation and report to his Honor, the Mayor of Boston, as to *conditions and practices surrounding the operation of the Army Base terminal, South Boston*, on the part of its present lessees, the Bay State Shipping Company. This investigation is still under way.

9. Investigation of the *dumping of refuse in Boston Harbor and of the physical condition of certain properties along the waterfront, particularly in East Boston and Chelsea*. In connection with the disposal of refuse, the Board is seeking, through the assistance of harbor agencies responsible for the prevention of this, and of the steamship lines whose vessels serve the Port, to more strictly enforce rules and regulations, on the one hand, and to make arrangements whereby the invoking of these rules and regulations will be less necessary on the other hand. The work in East Boston and Chelsea includes a survey of waterfront properties in a tumbledown condition, or on which rest the remains of old dilapidated hulks. From the points of view of health, safety, and menace to navigation, we believe this condition calls for attention both

as to the improvement of properties and as to the disposal of hulks. This investigation is still proceeding.

10. *Investigation of various terminal and dock construction projects*, as submitted to us from time to time for consideration by this or that private concern. As to these projects, which are constantly coming before us, several have real merit, but the plans in our opinion are not developed sufficiently for us to make, at this time, further comment thereon.

11. *Investigation of insurance rates along shore* at the Port of Boston as compared with other ports to determine whether or not they are higher and if so, why. This investigation is still in process.

12. *Port Differential Case*.—This is the most important and far-reaching matter to date undertaken by the Port Authority. In the report of the Board, made under date of December 26, 1929, the following statement appears: "With the assent and approval of the Mayor of Boston, the Board plans to participate in all rate proceedings, hearings and investigations which concern the Port, it being the opinion of the Board that the prospective business of the Port depends largely on the final outcome of such rate proceedings." In March, 1930, the Board joined with the City of Boston, in intervening before the Interstate Commerce Commission, in the so-called New Jersey lighterage case, in which the state of New Jersey and other interested parties were complainants, and the railroads serving the Port of New York, defendants. Also, under date of April 4, 1930, the Port Authority joined with the City of Boston in bringing formal complaint before the Interstate Commerce Commission, alleging violation of certain sections of the Interstate Commerce Act in that certain preferences were allowed to exist in the Port of New York, which do not exist in the Port of Boston. In this complaint the Commonwealth subsequently joined. The preparation of and presentation of this case, together with appearances at the New Jersey hearings, have formed an important part of the work of the Board for 1930. We regard the case as vital to the Port and believe that the successful outcome thereof would prove of incalculable benefit,

not only to Boston and surrounding communities, but to New England as a whole. Initial hearings on the Boston complaint have been held (December, 1930) and will be resumed in February, 1931.

The above matters are included as illustrative of the special work which the Port Authority has been called upon to do in 1930. The day by day work of the Board, of course, includes other matters, reference to certain of which is made in succeeding paragraphs. Taken all together, they seem to show that such a central authority has, increasingly, an opportunity to be of service to the Port and the community. The Port Authority offices have become, in fact, a clearing house for port problems.

The Port Authority has issued two passenger sailing lists, each covering half the year 1930 and showing all inward and outward trans-Atlantic sailings of the Port. The Board has also issued, in collaboration with the Bureau of Foreign and Domestic Commerce, a pamphlet entitled "Outbound Shipping Services of the Port of Boston" which was compiled and distributed in order that manufacturers and exporters might have a comprehensive knowledge of the outbound shipping services of the Port of Boston and also, that they might utilize, to the fullest extent, the services of the Port. The Marine Supervisor of the Port Authority has visited practically every vessel arriving here from foreign ports and, in addition to extending the welcome of the Commonwealth and city to the masters of these ships, has offered the assistance of the Board wherever its services may be required. Further, the Marine Supervisor has solicited from these ship masters their comment in respect to any matter they have in mind relative to improvement of facilities and services of the Port. During the year, through the efforts of the Board and other organizations, passenger steamship service from the Port was bettered by improved schedules and superior ships over existing lines, and through the addition of three new services, viz., Cosulich (Italian) to Mediterranean points; Cunard Line (British) special West Indies cruises to begin in January, 1931; Canadian National Steamships (Canadian), regular service to Bermuda, the British West Indies and British Guiana.

The Board has made careful investigation along the waterfront in order to study convenience of passengers and attractiveness and cleanliness of docks and approaches. Upon recommendation of the Board, for

instance, Water street in Charlestown was repaved by the City Department of Public Works. It is a fact that the Port of New York and certain other ports, are far ahead of us in the way in which they attract and take care of passengers passing over their dock properties. We have been able to enlist the support of the steamship operators, and others interested, and expect that fewer causes for criticism under this heading will be forthcoming.

The Board is in constant touch with the labor situation in the Port and has maintained cordial relations with the committee representing the steamship owners and operators and the Longshoremen's Union.

During the year the Board suffered the loss of its Chairman, Guy W. Currier, and also lost, by resignation, Joseph W. Powell. In place of these men his Honor, the Mayor of Boston, appointed Frank S. Davis and Thomas J. A. Johnson. After the death of Mr. Currier, the Board reorganized, under date of July 11, 1930, and elected Louis E. Kirstein, Chairman and Richard Parkhurst, Secretary.

At the time of the creation of the Boston Port Authority statement was made that the great value of the service it should render would lie largely in its promotion of the unification of authority and administration. Following up that line of thought, we believe we may properly make certain observations relative to the situation in the Port from the point of view of unity of effort in the Port. The great ports of North America may be divided into substantially four groups, first, those under direct public control (San Francisco), second, those under public ownership and control (Montreal), third, those having terminals owned exclusively by railroads, (Newport News) and fourth, those having no dominating ownership and control (Boston). Efficient co-ordination of activities in a port is generally regarded as of primary importance. Obviously, where there is no dominating ownership or control, as in our own case, where within the Port area we find terminals which are owned or controlled by the Commonwealth, private individuals or corporations, by railroads, steamship lines and other combinations of ownership and control, the problem of co-ordination of effort for the good of the Port as a whole becomes more complex and the difficulties harder to overcome than in the case of any other type of port. There appears to be the need

for a central body, whose exclusive duty it is to work for the development and the business of the Port, *and to have full authority in respect to practices in and development of the Port.* Along this line of thought, we quote herewith from a paper read at a recent meeting of the American Association of Port Authorities:

"Natural advantages, depth of water, safe anchorage, proximity to the sea and climate may make a great harbor. But they do not of themselves make a great port. They are the foundations upon which man builds. The lack of these are the disadvantages which man must overcome as far as possible. And, it seems at times, the less lavish have been the gifts of nature, the more successful have been the efforts of man. The spirit to overcome has been dominant.

"The availability and the utility of a port to the people of the port area depend, primarily, upon three conditions: First, its location and the means of access to it from the interior and the cost of transportation to it and from it. Second, the frequency, certainty, and regularity of sailings to and from coastwise, intercoastal and foreign points, the character of the vessels employed in the service, the ocean rates and the length of time required in transit. Third, the facilities provided at the port for the storage, handling, interchange and dispatch of cargoes and the cost of this service. Port development and the means employed in meeting the competition of other ports, which was never more keen than it is today, must proceed along these related lines, if the port is to be responsive to the increasing demands of trade and serve the area which it is designed to serve. The port without its problems is failing to keep pace with the ever-changing conditions which confront it, and, in many instances, *not the least of these problems is that of the co-ordination of the facilities within the port area itself.*" . . .

It seems to us that the time has come for the system of control here to be modernized and it is probable that at a later date we shall be prepared to make further and specific recommendations in this regard.

The Port Authority believes there is no more important work in which it can engage than that of bringing together representatives of state, city and commercial

organizations within the Port area and within New England at large, for the purpose of promoting unity of effort for the ultimate good of the Port. We have found that there exists in New England, and even in Boston, a certain apathy in many quarters as to the desirability of making use of this Port. Arguments of all kinds are advanced, as to why this concern or that does not care to ship through Boston, or receive goods through Boston. Many of these arguments we hope to overcome as our differential case proceeds. Others will have to be overcome by direct contact, which we hope to establish with all importers and exporters in this vicinity, and eventually throughout New England. While it is true that under the statute creating this Board we do not have the power to make effective many of the plans and policies we advocate, we believe we can at least point the way and urge upon those who have it in their power to strive as a unit for the upbuilding of the Port of Boston.

The Port Authority is working closely with public boards and officials of the Federal government, the Commonwealth and of the City of Boston, and expresses its appreciation of their helpful assistance.

Very respectfully submitted,

LOUIS E. KIRSTEIN,
RICHARD PARKHURST,
CHARLES E. WARE, JR.,
FRANK S. DAVIS,
THOMAS J. A. JOHNSON.

BOSTON
MUNICIPAL REGISTER
FOR 1931.



THE CITY SEAL

As it appeared prior to 1827.

The City Seal was adopted by "An Ordinance to Establish the City Seal," passed January 2, 1823, which provides "That the design hereto annexed, as sketched by John R. Penniman, giving a view of the City, be the device of the City Seal; that the motto be as follows, to wit: 'Sicut patribus sit Deus nobis'; and that the inscription be as follows:—'Bostonia condita, A.D. 1630. Civitatis regimine donata, A.D. 1822.'" The motto is taken from 1 Kings, viii., 57: "God be with us as He was with our fathers."

The seal as it first appeared is shown above.

The seal as it was afterwards changed, and has ever since continued to be used, was first shown on page 221 of the volume of laws and ordinances, commonly known as the "First Revision," published in 1827, and is established as the City Seal at the present time by Revised Ordinances of 1914, Chapter 1, Section 5, which provides that "The seal of the City shall be circular in form; shall bear a view of the City; the motto 'SICUT PATRIBUS SIT DEUS NOBIS,' and the inscription, 'BOSTONIA CONDITA, A.D. 1630. CIVITATIS REGIMINE DONATA, A.D. 1822,' as herewith set forth."

The seal as changed in 1827 is shown on the opposite page.



SEAL OF THE CITY
OF
BOSTON.

ORIGIN AND GROWTH OF BOSTON.

THE Royal Patent incorporating the Governor and Company of Massachusetts Bay in New England passed the seals March * 4, 1628-29. At a General Court, or Meeting of the Company, on August * 29 of that year it was voted "that the Government and patent should be settled in New England." To that end Governor Winthrop led the Puritan Exodus in 1630. Soon after his arrival at Salem on June * 12, 1630, he proceeded with a large following to Charlestown, where a plantation had been established the summer before. The Assistants held three Courts at Charlestown in the interval, August * 23 to September * 28, inclusive. At their meeting on September * 7, they "ordered that Trimountaine shall be called Boston; Mattapan, Dorchester; and the towne upon Charles River, Waterton." Thus Shawmut of the Indians was named Boston, probably out of gratitude to the Merchants of Boston in Lincolnshire, who had subscribed generously to the stock of the Company.

In the latter part of August, Governor Winthrop with the patent chose Boston as his abiding place. The first "Court" held in Boston was a "General Court" on October * 19, "for establishing of the government." On October * 3, 1632, Boston was formally declared to be "the fittest place for publique meetings of any place in the Bay."

Boston was the first town in Massachusetts to become a city. It was incorporated February 23, 1822, by St. 1821, c. 110, adopted by the voters March 4, 1822. This act was revised by St. 1854, c. 448; amended by St. 1885, c. 266 and again by St. 1909, c. 486.

The neck of land called Boston, still called Boston Proper, contained perhaps 700 acres of land, judging from the 783 acres shown by the official survey of 1794. (In the interval 1630-37, Boston acquired jurisdiction over most of the territory now included in Chelsea, Winthrop, Revere, East Boston, Brookline, Quincy, Braintree, Randolph and Holbrook, besides certain islands in the harbor.) From 1637 till May 13, 1640,

when "Mount Woollaston" was set off as Braintree, Boston exercised jurisdiction over a territory of at least 40,000 acres. Within its present limits there are 30,598 acres, including flats and water.

Since 1640, grants of land have been made to Boston by the General Court as follows: (1) October * 16, 1660, 1,000 acres "for the use of a free schoole, layd out in the wilderness or North of the Merimake River" (in Haverhill), in 1664. (2) June * 27, 1735, in abatement of Province Tax, three townships, each six miles square, or 69,120 acres in all. These townships later became the Towns of Charlemont, Colrain, and Pittsfield. Boston sold its interest in them on June * 30, 1737, for £3,660. (3) June 26, 1794, a township of land in Maine (23,040 acres) "to build a public hospital." This tract was sold by the City April 6, 1833, for \$4,200.

Muddy River was set off as the Town of Brookline on November * 13, 1705, and Rumney Marsh was set off as the Town of Chelsea January * 8, 1739.

The principal annexations of territory included within the present limits of the City of Boston have been made as follows:

(1) Noddle's Island, by order of Court of Assistants, March * 9, 1636-37. (2) South Boston set off from Dorchester March 6, 1804, by St. 1803, c. 111. (3) Washington Village set off from Dorchester May 21, 1855, by St. 1855, c. 468. (4) Roxbury January 6, 1868, by St. 1867, c. 359, accepted September 9, 1867. Roxbury received its name by order of the Court of Assistants October * 8, 1630. It was incorporated as a city March 12, 1846, by St. 1846, c. 95, accepted March 25, 1846. (5) Dorchester January 3, 1870, by St. 1869, c. 349, accepted June 22, 1869. It received its name September * 7, 1630, by order of the Court of Assistants. (6) Brighton January 5, 1874, by St. 1873, c. 303, accepted October 7, 1873. Set off from Cambridge as the Town of Brighton February 24, 1807, by St. 1806, c. 65. (7) Charlestown January 5, 1874, by St. 1873, c. 286, accepted October 7, 1873. Settled July * 4, 1629. It was incorporated a City February 22, 1847, by St. 1847, c. 29, accepted March 10, 1847. (8) West Roxbury January 5, 1874, by St. 1873, c. 314, accepted October 7, 1873. It was set off from Roxbury and incorporated a Town May 24, 1851, by St. 1851, c. 250. (9) Hyde Park January 1, 1912, by St. 1911, c. 469, and 583, accepted November 7, 1911. Incorporated a Town April 22, 1868.

CITY OF BOSTON
IN CITY COUNCIL

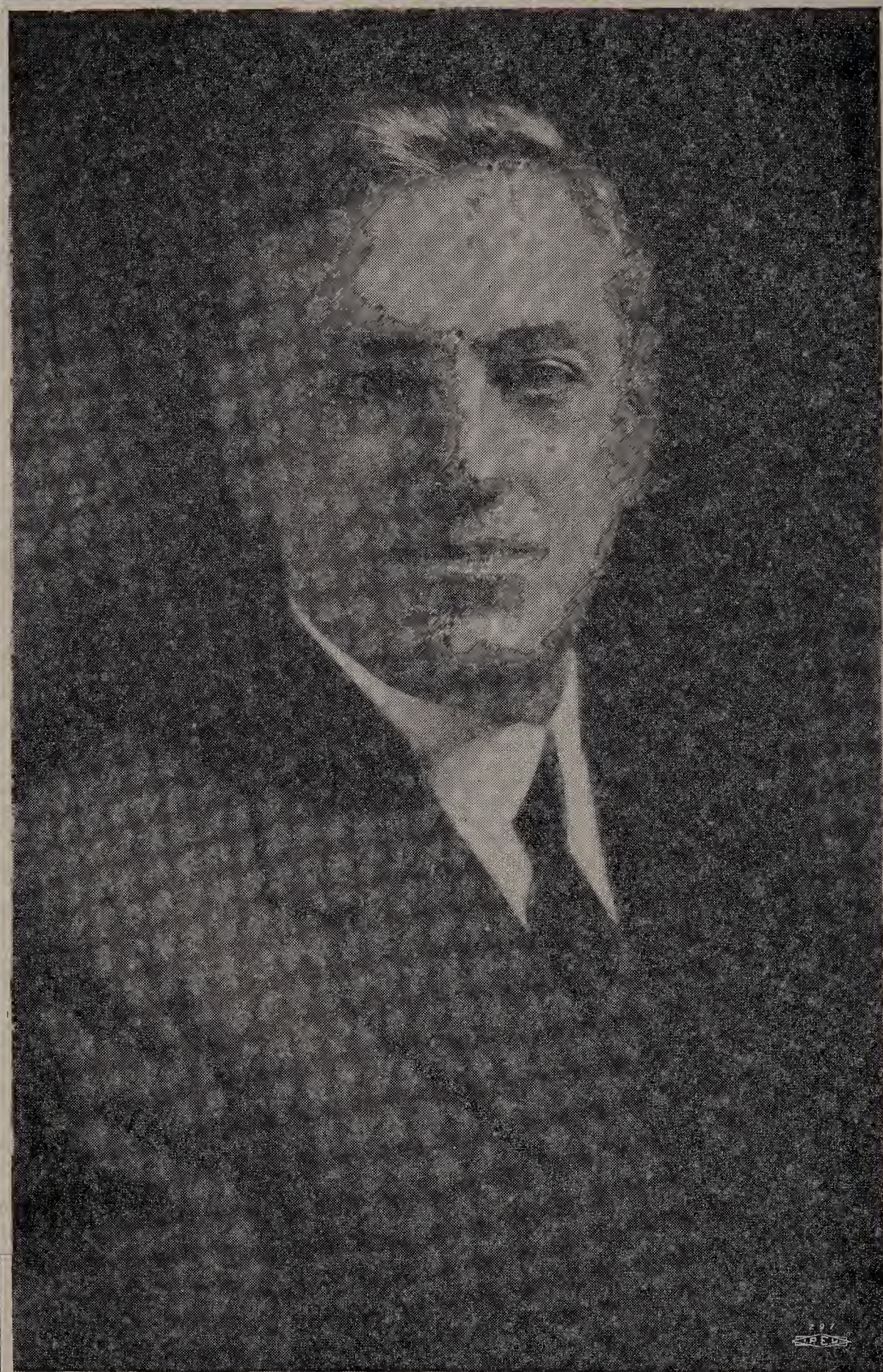
ORDERED: THAT THE STATISTICS DEPARTMENT BE AUTHORIZED, UNDER THE DIRECTION OF THE COMMITTEE ON RULES, TO PREPARE AND HAVE PRINTED THE MUNICIPAL REGISTER FOR THE CURRENT YEAR, INCLUDING THEREIN A MAP OF THE CITY WITH WARD LINES, AND THAT THE CLERK OF COMMITTEES BE AUTHORIZED TO PREPARE AND HAVE PRINTED A POCKET EDITION OF THE ORGANIZATION OF THE CITY GOVERNMENT, THE EXPENSE OF SAID REGISTER AND ORGANIZATION TO BE CHARGED TO THE APPROPRIATION FOR CITY DOCUMENTS.

IN CITY COUNCIL, JANUARY 26, 1931. PASSED.

APPROVED BY THE MAYOR JANUARY 27, 1931.

ATTEST:

W. J. DOYLE,
City Clerk.



James M. Curley
MAYOR OF BOSTON

[DOCUMENT 37 — 1931.]

CITY OF BOSTON

MUNICIPAL REGISTER
FOR 1931

CONTAINING

A REGISTER OF THE CITY GOVERNMENT,
RULES OF THE CITY COUNCIL,
AMENDED CITY CHARTER OF 1909,
WITH CHANGES SINCE,

WITH

LISTS OF EXECUTIVE AND OTHER PUBLIC OFFICERS,

ALSO

THE WARD BOUNDARIES,

AND

MEMBERSHIP OF FORMER CITY GOVERNMENTS.

*COMPILED AND EDITED BY THE STATISTICS
DEPARTMENT.*

CITY OF BOSTON
PRINTING DEPARTMENT
1931

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INTRODUCTION.

As a public document THE MUNICIPAL REGISTER is as old as the City of Boston itself, the first volume having been published in 1821, a year before the government of Boston changed from Town to City. Up to 1840 the title of the volume was: The Rules and Orders of the Common Council. From 1821 to 1829 the document contained merely a register of the City Council and a list of the officers.

In 1829 the City Charter was published as a part of the volume, and in 1830 the Acts relating to Boston, also the ordinances were added. In 1832 the size of the volume was increased by the addition of an index to the contents. The volume published in 1822 contained fifteen pages and for the year 1840 there were eighty-eight pages, including three pages of index.

The title MUNICIPAL REGISTER was adopted in 1841 when the publication became more ambitious, incorporating in its pages, the Rules and Orders of the Common Council, joint rules, ordinances of the City, statutes of the Commonwealth relating to the City, a list of the public schools, the City Government of 1841, the committees and departments (consisting at that time of the treasury, law, police, health, public land and buildings, lamps and bridges, fire, and public charitable institutions), and a list of the ward officers.

From 1842 to 1864 it also contained a list of the members of preceding City Governments, a necrological record of those members, the latest ordinances and the special statutes relating to the City. In 1851 a list of the annual orators was added, and in 1853 a map of

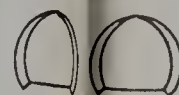
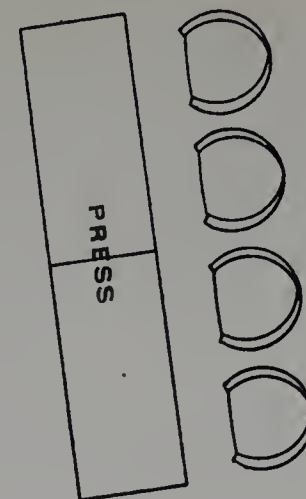
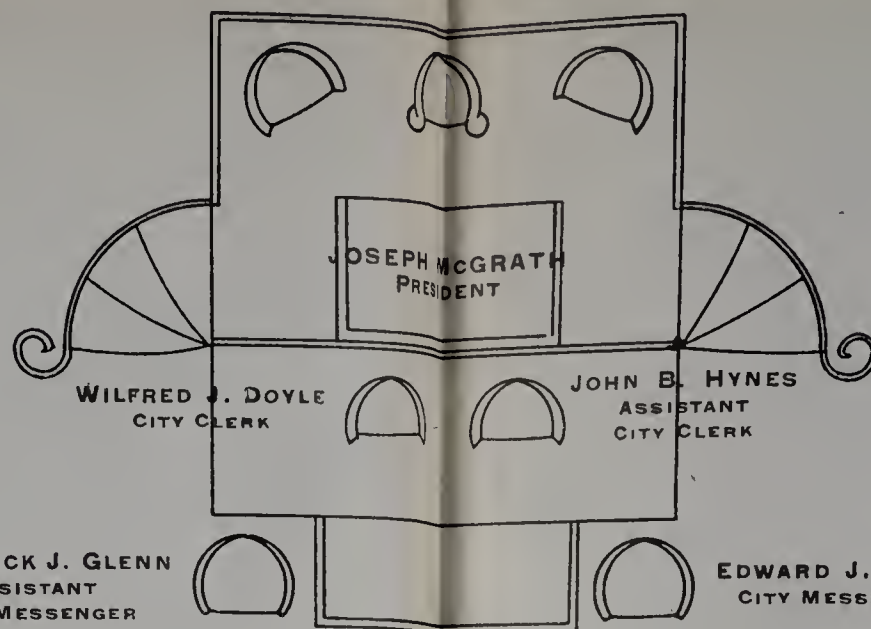
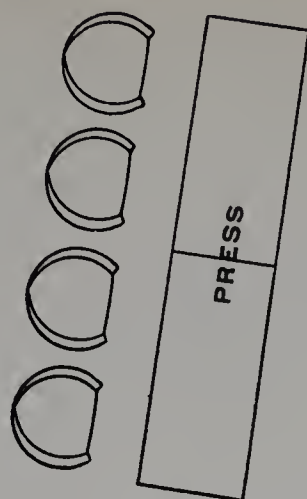
the City and the Rules of the Board of Aldermen. In 1876 statistics of registration and voting were included, carried from 1879 to 1924 in tabulated form.

From 1889 to 1896, inclusive, THE MUNICIPAL REGISTER also contained a compilation of the Charter with the revision of 1854 and the amendments of 1885 and thereafter. The Amended Charter of 1909 (15 pages) was added in 1910, and the various changes in same since that year have been stated in footnotes.

In 1924 the important amendments to the Charter enacted in that year (10 pages) were included.

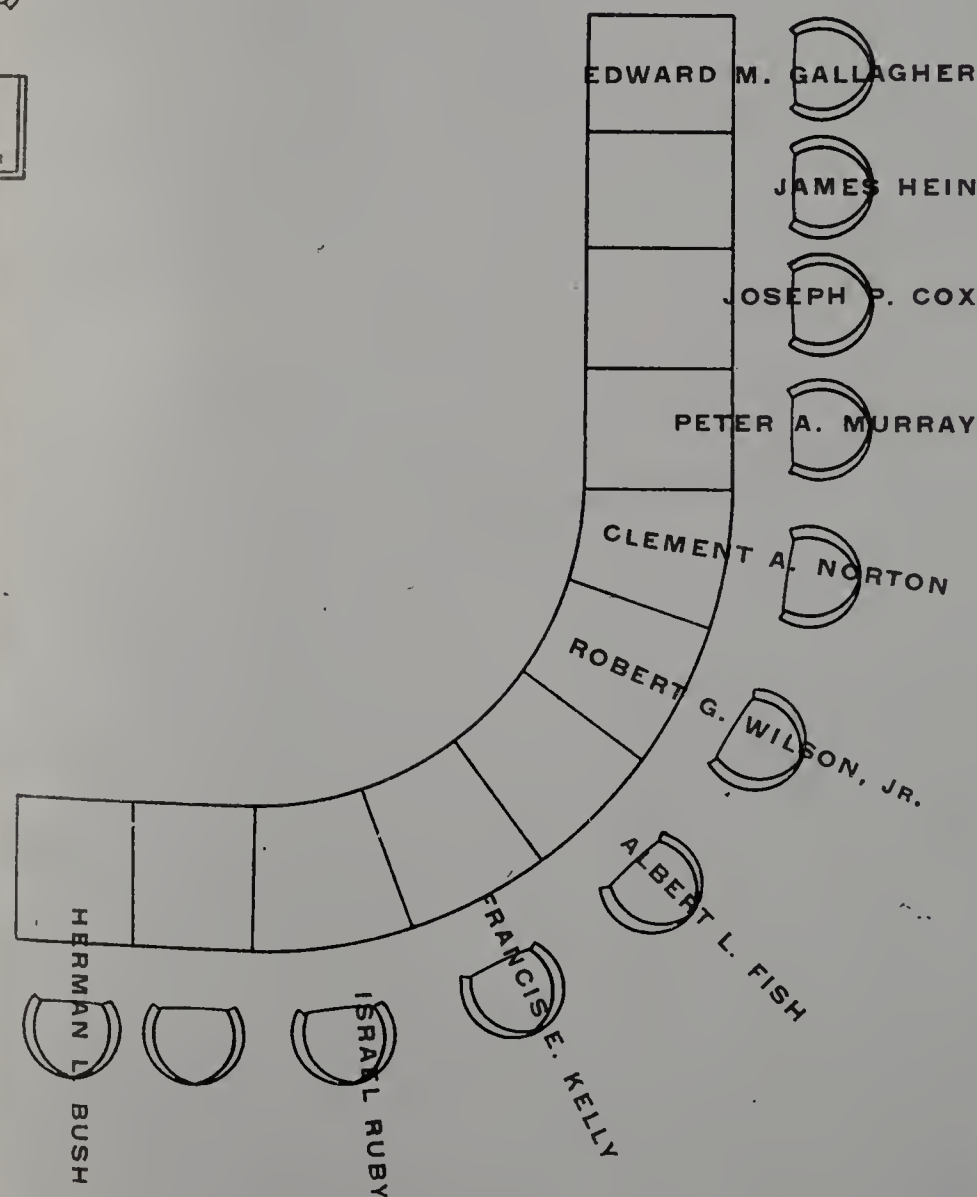
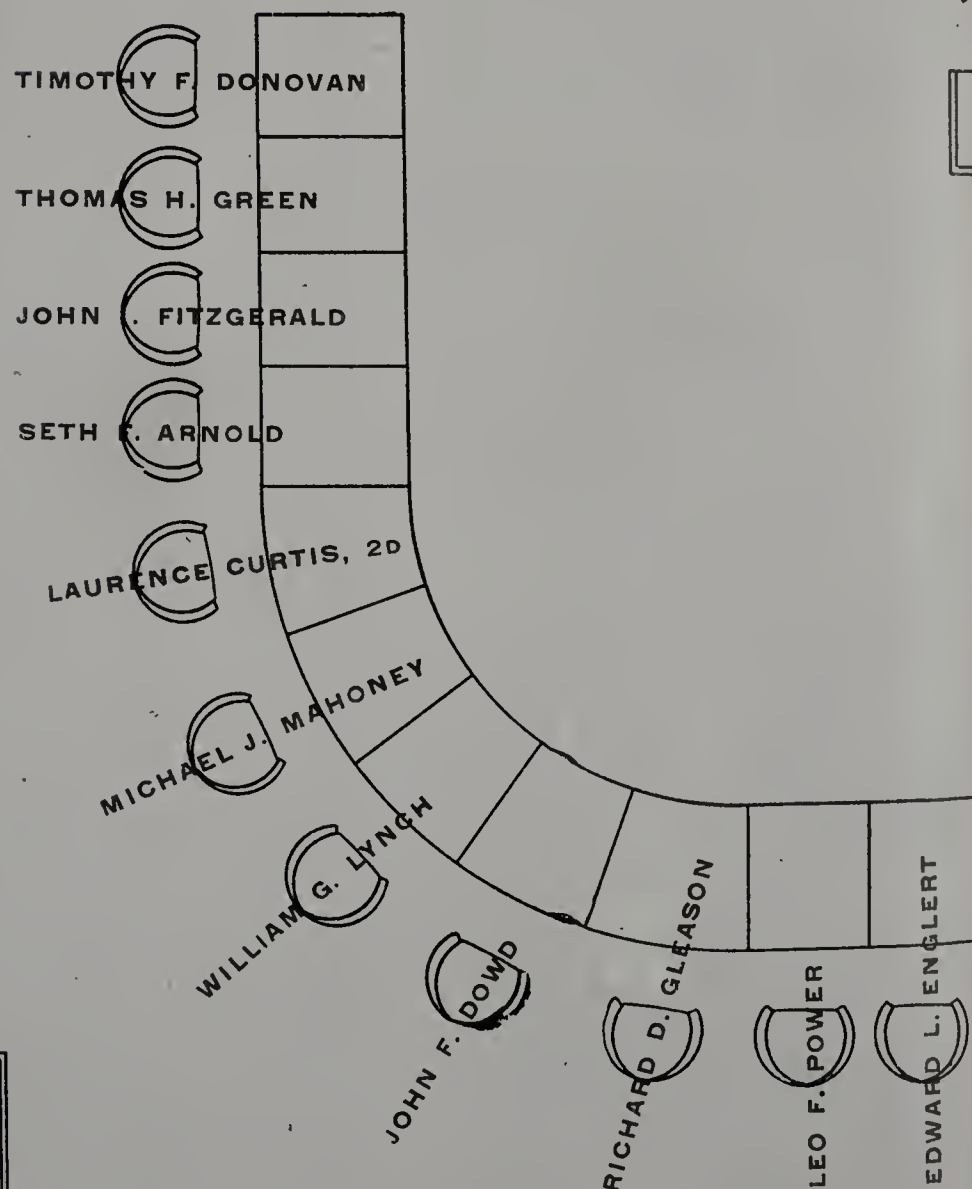
The 1925 volume contained, as the latest addition, descriptions of the ward boundaries as fixed for the 22 new wards (formerly 26) in December, 1924.

Beginning in 1924, *The Boston Year Book*, the most comprehensive municipal publication yet undertaken, was issued. It treats extensively of municipal activities as well as community conditions and interests, containing illustrations and diagrams. This publication, covering a different and much broader field than THE MUNICIPAL REGISTER, now 90 years old and having a reputation to live up to, is not intended to absorb that annual document.



EDWARD W. HARNDEN
OFFICIAL
STENOGRAPHER

DOOR



ENTRANCE

STREET LAYING OUT DEPT. ENG. DIV.

Wm. J. Sullivan
Chief Engineer



Joseph McGrath

PRESIDENT BOSTON CITY COUNCIL

GOVERNMENT
OF THE
CITY OF BOSTON,
1931.

JAMES M. CURLEY, *Mayor*.

Residence,
350 Jamaicaaway, Jamaica Plain.

BOSTON CITY COUNCIL, 1931.

[Stat. 1909, Chap. 486; Stat. 1912, Chap. 574; Stat. 1914, Chaps. 630, 730;
Spec. Stat. 1916, Chap. 269; Spec. Stat. 1917, Chap. 196; Stat. 1924,
Chaps. 328 and 479.]

JOSEPH McGRATH, *President*.

- Ward 1. TIMOTHY F. DONOVAN, 100 Bayswater street.
Ward 2. THOMAS H. GREEN, 117 Baldwin street.
Ward 3. JOHN I. FITZGERALD, 7 Allen street.
Ward 4. SETH F. ARNOLD, 92 Huntington avenue.
Ward 5. LAURENCE CURTIS, 2D, 464 Beacon street.
Ward 6. MICHAEL J. MAHONEY, 270 West Third street.
Ward 7. WILLIAM G. LYNCH, 670 Columbia road.
Ward 8. JOHN F. DOWD, 22 Greenville street.
Ward 9. RICHARD D. GLEASON, 66 Highland street.
Ward 10. LEO F. POWER, 12 Eldora street.

- Ward 11. EDWARD L. ENGLERT, 92 West Walnut park.
Ward 12. HERMAN L. BUSH, 132 Seaver street.
Ward 13. JOSEPH McGRATH, 9 Castle Rock street.
Ward 14. ISRAEL RUBY, 102 Talbot avenue.
Ward 15. FRANCIS E. KELLY, 24 Topliff street.
Ward 16. ALBERT L. FISH, 12 Rowena street.
Ward 17. ROBERT GARDINER WILSON, JR., 44 Kenwood street.
Ward 18. CLEMENT A. NORTON, 8 Austin street.
Ward 19. PETER A. MURRAY, 7 St. John street.
Ward 20. JOSEPH P. COX, 176 Temple street.
Ward 21. JAMES HEIN, 1135 Commonwealth avenue.
Ward 22. EDWARD M. GALLAGHER, 21 Oak Square avenue.

[Stat. 1854, Chap. 448, §30; Stat. 1885, Chap. 266, §2; Stat. 1901, Chap. 332; Rev. Ord. 1898, Chap. 11; C. C., Title IV., Chap. 8; Stat. 1909, Chap. 486; Rev. Ord. 1914, Chap. 11.]

Clerk, ex officio.

WILFRED J. DOYLE, 81 Wellington Hill Street,
Dorchester.

Assistant Clerk, ex officio.

JOHN B. HYNES, 36 Laban Pratt Road.

Regular meetings in Council Chamber, City Hall, fourth floor, Mondays at 2 P. M.

OFFICIALS OF THE CITY COUNCIL.

CITY MESSENGER.

Office, City Hall, Room 55, fourth floor.

EDWARD J. LEARY.

The City Messenger attends all meetings of the City Council and committees thereof, and has the care and distribution of all documents printed for the use of the City Council, also the regular department reports. He has charge of the City flagstaffs, the display of flags in the public grounds, and the roping off of streets and squares on public occasions.

CLERK OF COMMITTEES.

Office, City Hall, Room 56, fourth floor.

JOHN E. BALDWIN.

The Clerk of Committees acts as the clerk of all committees of the City Council, keeps the records of their meetings, and has charge of the City Hall Reference Library.

ASSISTANT CLERK OF COMMITTEES.

CHESTER M. MACOMBER.

SECRETARY OF THE CITY COUNCIL.

WILLIAM J. J. O'NEIL.

The Secretary of the City Council is also Assistant Clerk of Committees and performs the duties of the Clerk in the latter's absence or in case of vacancy of his position.

ASSISTANT CITY MESSENGERS.

City Hall, Room 55,

FREDERICK J. GLENN.

WILLIAM J. WALSH.

The Assistant City Messengers perform the duties of the City Messenger in the latter's absence or in case of vacancy of his position.

OFFICIAL REPORTER OF PROCEEDINGS.

EDWARD W. HARNDEN.

STANDING COMMITTEES OF THE CITY
COUNCIL.
1 9 3 1 .

STANDING COMMITTEE.

EXECUTIVE.—All the members, Councilor Gallagher, Chairman.

On the following committees the first-named member is Chairman.

APPROPRIATIONS.—Coun. Curtis, Cox, Arnold, Englert, Norton, Fitzgerald, Gallagher.

CLAIMS.—Coun. Bush, Donovan, Wilson, Fish, Kelly.

COUNTY ACCOUNTS.—Coun. Fitzgerald, Curtis, Green, Power, Mahoney.

FINANCE.—Coun. Bush, Green, Mahoney, Gleason, Hein, Murray, Donovan.

INSPECTION OF PRISONS.—Coun. Gleason, Bush, Norton, Lynch, Mahoney.

JITNEY LICENSES.—Coun. Murray, Cox, Gleason, Mahoney, Power.

LEGISLATIVE MATTERS.—Coun. Green, Donovan, Wilson, Gleason, Fitzgerald.

ORDINANCES.—Coun. Hein, Curtis, Cox, Englert, Power, Arnold, Fitzgerald.

PARKMAN FUND.—Coun. Wilson, Arnold, Murray, Curtis, Gleason.

PRINTING.—Coun. Cox, Wilson, Green, Donovan, Gallagher.

PUBLIC LANDS.—Coun. Lynch, Englert, Fish, Green, Mahoney.

RULES.—Coun. Donovan, Arnold, Gallagher, Fish, Lynch.

SOLDIERS' RELIEF.—Coun. Norton, Lynch, Ruby, Hein, Dowd.

SPECIAL COMMITTEES.

PARKS AND PLAYGROUNDS.—Coun. Englert, Dowd, Hein, Ruby, Murray.

PUBLIC SAFETY.—Coun. Power, Fish, Kelly, Bush, Norton, Dowd, Cox.

UNCLAIMED BAGGAGE.—Coun. Ruby, Dowd, Kelly.

HOSPITALS.—Coun. Arnold, Gallagher, Ruby, Curtis, Kelly.

RULES OF THE CITY COUNCIL.

DAY OF MEETING.

RULE 1. Unless otherwise ordered from time to time the regular meeting of the city council shall be held on every Monday at two o'clock p. m. Special meetings may be called by the president at his discretion, and by the city clerk for the purpose only of drawing jurors.

PRESIDENT.

RULE 2. The president of the council shall take the chair at the hour to which the council shall have adjourned and shall call the members to order, and a quorum being present, shall proceed with the regular order of business. In the absence of the president the senior member by age present shall preside as temporary president or until a presiding officer is chosen.

RULE 3. The president shall preserve decorum and order, may speak to points of order in preference to other members and shall decide all questions of order, subject to an appeal. Any member may appeal from the decision of the chair, and, when properly seconded, no other business, except a motion to adjourn or to lay on the table, shall be in order until the question on appeal has been decided. The question shall be put as follows:

"Shall the decision of the chair stand as the judgment of the council?" The vote shall be by a roll call, and it shall be decided in the affirmative unless a majority of the votes are to the contrary.

RULE 4. The president shall propound all motions in the order in which they are moved, unless the subsequent motion shall be previous in its nature, except that, in naming sums and fixing times, the largest sum and the longest time shall be put first.

RULE 5. The president shall, at the request of any member, make a division of a question when the sense will admit of it.

RULE 6. The president shall, without debate, decide all questions relating to priority of business to be acted upon.

RULE 7. The president shall declare all votes; but if any member doubts a vote, the president shall cause a rising vote to be taken, and when any member so requests, shall cause the vote to be taken or verified by yeas and nays.

RULE 8. The president shall appoint all committees, fill all vacancies therein, and designate the rank of the members thereof.

RULE 9. When the president of the council or the president *pro tempore* shall desire to vacate the chair he may call any member to it; but such substitution shall not continue beyond an adjournment.

MOTIONS.

RULE 10. Every motion shall be reduced to writing if the president shall so direct.

RULE 11. A motion to strike out and insert shall be deemed indivisible; but a motion to strike out being lost shall not preclude amendment, or a motion to strike out and insert.

RULE 12. No motion or proposition of a subject different from that under consideration shall be admitted under color of amendment.

RULE 13. When an order or resolution relates to a subject which may properly be examined and reported upon by an existing committee of the city council, such order or resolution shall, upon presentation, be referred to such committee. When a motion is made to refer any subject, and different committees are proposed, the motions shall be put in the following order:

1. To a standing committee of the council.
2. To a special committee of the council.

Any member offering a motion, order or resolution, which is referred to a committee, shall be given a hearing on the same by the committee, before a report is made thereon, provided he so requests at the time of offering the order or before final action by the committee.

RULE 14. After a motion has been put by the president it shall not be withdrawn except by unanimous consent.

RULE 15. When a question is under debate the following motions only shall be entertained, and shall have precedence in the order in which they stand arranged.

1. To adjourn.
2. To lay on the table.
3. The previous question.
4. To close debate at a specified time.
5. To postpone to a day certain.
6. To commit.
7. To amend.
8. To postpone indefinitely.

RULE 16. A motion to adjourn shall be in order at any time, except on an immediate repetition, or pending a verification of a vote; and that motion, the motion to lay on the table, the motion to take from the table, and the motion for the previous questions, shall be decided without debate.

READINGS.

RULE 17. Every ordinance, order and resolution shall, unless rejected, have two several readings, both of which may take place at the same session unless objection is made, *provided, however*, that all orders for the expenditure of moneys, unless reported upon by a committee of the council, shall lie over for one week before final action thereon. Whenever

the second reading immediately follows the first reading, the document may be read by its title only; *provided*, that all orders releasing rights or easements in or restrictions on land, all orders for the sale of land other than school lands, all appropriations for the purchase of land other than for school purposes, and all loans voted by the city council shall require a vote of two-thirds of all the members of the city council, and shall be passed only after two separate readings and by two separate votes, the second of said readings and votes to be had not less than fourteen days after the first.

RECONSIDERATION.

RULE 18. When a vote has been passed any member may move a reconsideration thereof at the same meeting, or he may give notice in writing to the clerk of his intention to move a reconsideration at the next regular meeting; in which case the clerk shall retain possession of the papers until the next regular meeting. No member shall speak for more than ten minutes on a motion to reconsider.

RULE 19. When a motion to reconsider has been decided, that decision shall not be reconsidered, and no question shall be twice reconsidered unless it has been amended after the reconsideration; nor shall any reconsideration be had upon the following motions:

- To adjourn.
- The previous question.
- To lay on the table.
- To take from the table.
- To close debate at a specified time.

A motion to reconsider may be laid on the table or postponed indefinitely and the effect of such action in either case shall be to defeat the motion to reconsider.

CONDUCT OF MEMBERS.

RULE 20. Every member when about to speak shall rise, address the chair, and wait until he is recognized, and, in speaking, shall refrain from mentioning any other member by name, shall confine himself to the question and avoid personalities. Any member who, in debate or otherwise, indulges in personalities or makes charges reflecting upon the character of another member, shall make an apology in open session at the meeting at which the offence is committed or at the next succeeding regular meeting, and, failing to do so, shall be named by the president or held in contempt and suspended from further participation in debate until said apology is made.

RULE 21. No member shall speak more than once on a question when another member who has not spoken claims the floor, and no member speaking shall, without his consent, be interrupted by another, except upon a point of order.

RULE 22. No member shall be permitted to vote on any question, or to serve on any committee, where his private right is immediately concerned, distinct from the public interest.

RULE 23. Every member who shall be present when a question is put, unless he is excluded by interest, shall give his vote, unless the council for special reason shall excuse him. Application to be so excused on any question must be made before the council is divided, or before the calling of the yeas and nays; and such application shall be accompanied by a brief statement of the reasons, and shall be decided without debate.

STANDING COMMITTEES.

RULE 24. The following standing committees of the council, and all other committees, unless specially directed by the council, shall be appointed by the president:

1. A committee, to be known as the *Executive Committee*, to consist of all the members of the council.

2. A committee on *Appropriations*, to consist of seven members of the council, to whom shall be referred such appropriation orders as may be submitted to the council from time to time.

3. A committee on *Claims*, to consist of five members of the council, to whom shall be referred all claims against the city arising from the act or neglect of any of its departments. They shall report annually an account of the claims awarded or approved by them, and the amount of money awarded or paid in settlement thereof.

4. A committee on *County Accounts*, to consist of five members of the council.

5. A committee on *Finance*, to consist of seven members of the council, to whom shall be referred all applications for expenditure which involves a loan.

6. A committee on *Inspection of Prisons*, to consist of five members of the council.

7. A committee on *Jitney Licenses*, to consist of five members of council.

8. A committee on *Legislature Matters*, to consist of five members of the council, who shall, unless otherwise ordered, appear before the committees of the General Court and represent the interest of the city; *provided*, said committee shall not appear unless authorized by vote of the city council, and shall not, unless directed so to do by the city council, oppose any legislation petitioned for by the preceding city council.

9. A committee on *Ordinances*, to consist of seven members of the council, to whom shall be referred all ordinances or orders concerning ordinances.

10. A committee on *Parkman Fund*, to consist of five members of the council, to whom shall be referred all matters concerning the Parkman property, or the expenditure of the income from the Parkman Fund.

11. A committee on *Printing*, to consist of five members of the council, who shall have the charge of all printing, advertising or publishing ordered

by the city council as one of its contingent or incidental expenses, and the supply of all stationery or binding for the same purpose. The committee shall fix the number of copies to be printed of any document printed as above, the minimum, however, to be four hundred; and they shall have the right to make rules and regulations for the care, custody and distribution of all documents, books, pamphlets and maps by the city messenger.

12. A committee on *Public Lands*, to consist of five members of the council, to whom shall be referred all matters relating to public lands.

13. A committee on *Rules*, to consist of five members of the council, to consider all matters concerning the rules, and to whom shall be referred all resolutions expressing opinions, principles, facts or purposes.

14. A committee on *Soldiers' Relief*, to consist of five members of the council, who shall determine the amount of aid to be allowed to soldiers and sailors and their families and submit a schedule of the same to the council monthly.

ORDER OF BUSINESS.

RULE 25. At every regular meeting of the council the order of business shall be as follows:

1. Communications from his Honor the Mayor.
2. Presentation of petitions, memorials and remonstrances.
3. Reports of city officers, etc.
4. Unfinished business of preceding meetings.
5. Reports of committees.
6. Motions, orders and resolutions.

SPECTATORS.

RULE 26. No person, except a member of the council, shall be permitted to occupy the seat of any member while the council is in session.

RULE 27. No person, excepting heads of departments, officials connected with the city council, and reporters, shall be allowed in the ante-rooms or upon the floor of the council chamber while the council is in session. Spectators will be allowed in the gallery of the council chamber when the council is in session, and no one will be admitted to said gallery after the seats are occupied. The city messenger shall enforce this rule.

BURIAL GROUNDS.

RULE 28. No permission for the use of land for the purpose of burial shall be granted until a public hearing shall have been given by the executive committee of the city council on the application for such permission, after due notice has been served upon abutters.

SMOKING IN THE COUNCIL CHAMBER.

RULE 29. No smoking shall be allowed in the council chamber when the council is in session.

COMMITTEE MEETINGS.

RULE 30. No meeting of any committee shall, without the consent of all the members thereof, be called upon less notice than twenty-four hours from the time the clerk shall have mailed the notices or dispatched them by special messenger, *provided, however*, that meetings of the executive committee may be held in the recess period of any meeting of the council without such consent or notice. No committee, unless authorized by an order of the city council, shall incur any expense. No committee meetings shall be called later than one hour immediately preceding the time set for any regular meeting of the city council, nor shall any committee remain in session later than the hour named for any such regular meeting.

FORM OF VOTES.

RULE 31. In all votes the form of expression shall be "Ordered" for everything by way of command, and the form shall be "Resolved" for everything expressing opinions, principles, facts or purposes.

TRANSFERS.

RULE 32. Every application for an appropriation to be provided for by transfer shall be referred to the executive committee unless otherwise ordered, and no such appropriation shall be made until the said committee has reported thereon.

AMENDMENT AND SUSPENSION.

RULE 33. The foregoing rules shall not be altered, amended, suspended or repealed at any time, except by the votes of two-thirds of the members of the city council present and voting thereon.

CITY CHARTER OF 1909 (CHAPTER 486) WITH AMENDMENTS TO JANUARY 1, 1929, INCORPORATED.

THE MAYOR AND CITY COUNCIL.

SECTION 1.* (*The terms of office of the mayor and the members of both branches of the present city council of the city of Boston and of the street commissioner whose term would expire on the first Monday of January, nineteen hundred and ten, are hereby extended to ten o'clock a. m. on the first Monday of February, nineteen hundred and ten, and at that time the said city council and both branches thereof and the positions of city messenger clerk of the common council, clerk of committees, assistant clerk of committees, and their subordinates shall be abolished. The officials whose terms of office are hereby extended shall, for the extended term, receive a compensation equal to one-twelfth of the annual salaries now paid to them respectively.*)

The mayor and city council elected in accordance with the provisions of this act, and their successors, shall thereafter have all the powers and privileges conferred, and be subject to all the duties and obligations imposed by law upon the city council or the board of aldermen, acting as such or as county commissioners or in any capacity, except as herein otherwise provided. Wherever in this act the phrase "mayor and city council" appears, it shall be understood as meaning the mayor and city council acting on and after the first Monday of February, nineteen hundred and ten, under the provisions of this and the three following sections. The city council may, subject to the approval of the mayor, from time to time establish such offices, other than that of city clerk, as it may deem necessary for the conduct of its affairs and at such salaries as it may determine, and abolish such offices or alter such salaries; and without such approval may fill the offices thus established and remove the incumbents at pleasure.

SECTION 1. (*Chap. 479, Acts of 1924.*) The terms of office of the mayor of the city of Boston, of members of the city council and school committee of said city which would expire under existing law on the first Monday of February, nineteen hundred and twenty-six, and of members of the city council and school committee of said city which would expire under existing law on the first Monday of February, nineteen hundred and twenty-seven, shall terminate at ten o'clock in the forenoon on the first Monday of January, nineteen hundred and twenty-six. There shall

* The portion of this section in italics was superseded by Section 1 of Chap. 479, Acts of 1924, which is printed as the next section.

be no municipal election in said city in the year nineteen hundred and twenty-four, and the terms of office of members of the city council and school committee of said city which would expire under existing law on the first Monday of February, nineteen hundred and twenty-five, are hereby extended to ten o'clock in the forenoon on the first Monday of January, nineteen hundred and twenty-six. The salary of any official whose term of office is terminated as aforesaid shall cease at the time of such termination and the salary of any official whose term of office is extended as aforesaid shall continue at the same rate as theretofore so long as he continues to serve during the period of such extension.

SECT. 2. The mayor from time to time may make to the city council in the form of an ordinance or loan order filed with the city clerk such recommendations other than for school purposes as he may deem to be for the welfare of the city. The city council shall consider each ordinance or loan order presented by the mayor and shall either adopt or reject the same within sixty days after the date when it is filed as aforesaid. If the said ordinance or loan order is not rejected within said sixty days it shall be in force as if adopted by the city council unless previously withdrawn by the mayor. Nothing herein shall prevent the mayor from again presenting an ordinance or loan order which has been rejected or withdrawn. The city council may originate an ordinance or loan order and may reduce or reject any item in any loan and, subject to the approval of the mayor, may amend an ordinance. All sales of land other than school lands, all appropriations for the purchase of land other than for school purposes, and all loans voted by the city council shall require a vote of two thirds of all the members of the city council; and shall be passed only after two separate readings and by two separate votes, the second of said readings and votes to be had not less than fourteen days after the first. No amendment increasing the amount of land to be sold or the amount to be paid for the purchase of land, or the amount of loans, or altering the disposition of purchase money or of the proceeds of loans shall be made at the time of the second reading and vote.

SECT. 3.* All appropriations, other than for school purposes, to be met from taxes, revenue, or any source other than loans shall originate with the mayor, who within thirty days after the beginning of the fiscal year shall submit to the city council the annual budget of the current expenses of the city and county, and may submit thereafter supplementary budgets until such time as the tax rate for the year shall have been fixed. The city council may reduce or reject any item, but without the approval of the mayor shall not increase any item in, nor the total of a budget, nor add any item thereto, nor shall it originate a budget. It shall be the duty of the city and county officials, when requested by the mayor, to submit forthwith in such detail as he may require estimates for the next fiscal year of the expenditures of the department or office under their charge, which estimates shall be transmitted to the city council.

* Sect. 3 as amended by Chap. 479, Acts of 1924.

The city auditor may, with the approval in each instance of the mayor, at any time make transfers from the appropriation for current expenses of one division of a department to the appropriation for current expenses of any other division of the same department, and from the reserve fund to any appropriation for the current expenses of a department; and may also, with the approval of the mayor, at any time between November fifteenth and January first, make transfers from any appropriation to any other appropriation: *provided, however*, that no money raised by loan shall be transferred to any appropriation from income or taxes. He may also with such approval apply any of the income and taxes not disposed of in closing the accounts for the financial year in such manner as he may determine.

SECT. 4. Every appropriation, ordinance, order, resolution and vote of the city council, except votes relating to its own internal affairs, shall be presented to the mayor, who shall make or cause to be made a written record of the time and place of presentation, and it shall be in force if he approves the same within fifteen days after it shall have been presented to him, or if the same is not returned by him with his objections thereto in writing within said period of fifteen days. If within said period said appropriation, ordinance, order, resolution, or vote is returned by the mayor to the city council by filing the same with the city clerk with his objections thereto the same shall be void. If the same involves the expenditure of money, the mayor may approve some of the items in whole or in part and disapprove other of the items in whole or in part; and such items or parts of items as he approves shall be in force, and such items or parts of items as he disapproves shall be void.

SECT. 4A.* The mayor may designate one clerical assistant for whose acts he shall be responsible to sign his name in approval of all vouchers of less than five hundred dollars each.

SECT. 5. Except as otherwise provided in this act, the organization, powers, and duties of the executive departments of the city shall remain as constituted at the time when this section takes effect; but the mayor and city council at any time may by ordinance reorganize, consolidate, or abolish departments in whole or in part; transfer the duties, powers, and appropriations of one department to another in whole or in part; and establish new departments; and may increase, reduce, establish or abolish salaries of heads of departments, or members of boards. Nothing in this act shall authorize the abolition or the taking away of any of the powers or duties as established by law of the assessing department, building department, board of appeal, children's institutions department, election department, fire department, Franklin Foundation, hospital department, library department, overseers of the poor, schoolhouse department, school committee, or any department in charge of an official or officials appointed by the governor, nor the abolition of the health department.

SECT. 6. No contract for lighting the public streets, parks, or alleys or for the collection, removal, or disposal of refuse, extending over a

* Sect. 4A inserted by Chap. 479, Acts of 1924.

period of more than one year from the date thereof, shall be valid without the approval of the mayor and the city council after a public hearing held by the city council, of which at least seven days' notice shall have been given in the *City Record*.

SECT. 7. The city council at any time may request from the mayor specific information on any municipal matter within its jurisdiction, and may request his presence to answer written questions relating thereto at a meeting to be held not earlier than one week from the date of the receipt of said questions, in which case the mayor shall personally, or through a head of a department or a member of a board, attend such meeting and publicly answer all such questions. The person so attending shall not be obliged to answer questions relating to any other matter. The mayor at any time may attend and address the city council in person or through the head of a department, or a member of a board, upon such subject as he may desire.

SECT. 8. Neither the city council, nor any member or committee, officer, or employee thereof shall, except as otherwise provided in this act, directly or indirectly on behalf of the city or of the county of Suffolk take part in the employment of labor, the making of contracts, the purchase of materials, supplies or real estate; nor in the construction, alteration, or repair of any public works, buildings, or other property; nor in the care, custody, and management of the same; nor in the conduct of the executive or administrative business of the city or county; nor in the appointment or removal of any municipal or county employee; nor in the expenditure of public money except such as may be necessary for the contingent and incidental expenses of the city council. The provisions of this section shall not affect the powers or duties of the city council as the successor of the present board of aldermen relative to state or military aid and soldiers' relief.

It shall be unlawful for the mayor or for a member of the city council or for any officer or employee of the city or of the county of Suffolk or for a member of the finance commission directly or indirectly to make a contract with the city or with the county of Suffolk, or to receive any commission, discount, bonus, gift, contribution or reward from or any share in the profits of any person or corporation making or performing such contract, unless such mayor, member of the city council, officer, or employee or member of the finance commission immediately upon learning of the existence of such contract or that such contract is proposed, shall notify in writing the mayor, city council, and finance commission of such contract and of the nature of his interest in such contract and shall abstain from doing any official act on behalf of the city in reference thereto. In case of such interest on the part of an officer whose duty it is to make such contract on behalf of the city the contract may be made by any other officer of the city duly authorized thereto by the mayor, or if the mayor has such interest by the city clerk: *provided, however*, that when a contractor with the city or county is a corporation or voluntary

association, the ownership of less than five per cent of the stock or shares actually issued shall not be considered as being an interest in the contract within the meaning of this act, and such ownership shall not affect the validity of the contract, unless the owner of such stock or shares is also an officer or agent of the corporation or association, or solicits or takes part in the making of the contract.

A violation of any provision of this section shall render the contract in respect to which such violation occurs voidable at the option of the city or county. Any person violating the provisions of this section shall be punished by a fine of not more than one thousand dollars, or by imprisonment for not more than one year, or both. Chapter five hundred and twenty-two of the acts of the year nineteen hundred and eight is hereby repealed.

THE EXECUTIVE COMMITTEE.

SECT. 9. All heads of departments and members of municipal boards, including the board of street commissioners, as their present terms of office expire (but excluding the school committee and those officials by law appointed by the governor), shall be appointed by the mayor without confirmation by the city council. They shall be recognized experts in such work as may devolve upon the incumbents of said offices, or persons specially fitted by education, training or experience to perform the same, and (except the election commissioners, who shall remain subject to the provisions of existing laws) shall be appointed without regard to party affiliation or to residence at the time of appointment except as hereinafter provided.

SECT. 10.* In making such appointments the mayor shall sign a certificate in the following form:

CERTIFICATE OF APPOINTMENT.

I appoint (Name of Appointee) to the position of (Name of Office) and I certify that in my opinion he is a recognized expert in the work which will devolve upon him, and that I make the appointment solely in the interest of the city. Mayor.

Or in the following form, as the case may be:

CERTIFICATE OF APPOINTMENT.

I appoint (Name of Appointee) to the position of (Name of Office) and I certify that in my opinion he is a person specially fitted by education, training, or experience to perform the duties of said office, and that I make the appointment solely in the interest of the city. Mayor.

The certificate shall be filed with the city clerk, who shall thereupon forward a certified copy to the civil service commission. The commission shall immediately make a careful inquiry into the qualifications of the nominee under such rules as they may, with the consent of the governor and council, establish, and, if they conclude that he is a competent person with the requisite qualifications, they shall file with the city clerk a cer-

* Sect. 10 as amended by Chap. 550, Acts of 1912.

tificate signed by at least a majority of the commission that they have made a careful inquiry into the qualifications of the appointee, and that in their opinion he is a recognized expert, or that he is qualified by education, training or experience for said office, as the case may be, and that they approve the appointment. Upon the filing of this certificate the appointment shall become operative, subject however to all provisions of law or ordinance in regard to acceptance of office, oath of office, and the filing of bonds. If the commission does not within thirty days after the receipt of such notice file said certificate with the city clerk the appointment shall be void.

If any charge imputing a crime or misdemeanor or act of dishonesty to a nominee has been filed with the civil service commission, which charge if proved would, in the opinion of the commission, affect the fitness of the nominee for the office in question, the commission shall immediately notify the nominee in writing, stating that such charge has been made and that the nominee has a right to a hearing. At the hearing the charge shall be stated to the nominee, but the source thereof shall not be revealed unless the commission votes so to do. The nominee shall have the privilege of being represented by counsel at the hearing, and shall be given full opportunity to introduce evidence to explain or refute the charge.

SECT. 11. The civil service commission is authorized to incur in carrying out the foregoing provisions such reasonable expense as may be approved by the governor and council; the same to be paid by the commonwealth, which upon demand shall be reimbursed by the city of Boston.

SECT. 12. A vacancy in any office to which the provisions of section nine of this act apply, shall be filled by the mayor under the provisions of said section and pending a permanent appointment he shall designate some other head of a department or member of a board to discharge the duties of the office temporarily.

SECT. 13. Members of boards shall be appointed for the terms established by law or by ordinance. Heads of departments shall be appointed for terms of four years beginning with the first day of May of the year in which they are appointed and shall continue thereafter to hold office during the pleasure of the mayor.

SECT. 14. The mayor may remove any head of a department or member of a board (other than the election commissioners, who shall remain subject to the provisions of existing laws) by filing a written statement with the city clerk setting forth in detail the specific reasons for such removal, a copy of which shall be delivered or mailed to the person thus removed, who may make a reply in writing, which, if he desires, may be filed with the city clerk; but such reply shall not affect the action taken unless the mayor so determines. The provisions of this section shall not apply to the school committee or to any official by law appointed by the governor.

SECT. 15. The positions of assistants and secretary authorized by section twenty of chapter four hundred and forty-nine of the acts of the

year eighteen hundred and ninety-five except those in the election department are hereby abolished, and except as aforesaid the said section is hereby repealed.

The civil service laws shall not apply to the appointment of the mayor's secretaries, nor of the stenographers, clerks, telephone operators and messengers connected with his office, and the mayor may remove such appointees without a hearing and without making a statement of the cause for their removal.

SECT. 16. No official of said city, except in case of extreme emergency involving the health or safety of the people or their property, shall expend intentionally in any fiscal year any sum in excess of the appropriations duly made in accordance with law, nor involve the city in any contract for the future payment of money in excess of such appropriation, except as provided in section six of this act. Any official who shall violate the provisions of this section shall be punished by imprisonment for not more than one year, or by a fine of not more than one thousand dollars, or both.

THE FINANCE COMMISSION.

SECT. 17. Within sixty days after the passage of this act the governor with the advice and consent of the council shall appoint a finance commission to consist of five persons, inhabitants of and qualified voters in the city of Boston, who shall have been such for at least three years prior to the date of their appointment, one for the term of five years, one for four years, one for three years, one for two years, and one for one year, and thereafter as the terms of office expire in each year one member for a term of five years. Vacancies in the commission shall be filled for the unexpired term by the governor with the advice and consent of the council. The members of said commission may be removed by the governor with the advice and consent of the council for such cause as he shall deem sufficient. The chairman shall be designated by the governor. His annual salary shall be five thousand dollars, which shall be paid in monthly instalments by the city of Boston. The other members shall serve without pay.

SECT. 18. It shall be the duty of the finance commission from time to time to investigate any and all matters relating to appropriations, loans, expenditures, accounts, and methods of administration affecting the city of Boston or the county of Suffolk, or any department thereof, that may appear to the commission to require investigation, and to report thereon from time to time to the mayor, the city council, the governor, or the general court. The commission shall make an annual report in January of each year to the general court.

SECT. 19. Whenever any pay roll, bill, or other claim against the city is presented to the mayor, city auditor, or the city treasurer, he shall, if the same seems to him to be of doubtful validity, excessive in amount, or otherwise contrary to the city's interest, refer it to the finance commission, which shall immediately investigate the facts and report thereon; and pending said report payment shall be withheld.

SECT. 20.* The said commission is authorized to employ such experts, counsel, and other assistants, and to incur such other expenses as it may deem necessary, and the same shall be paid by said city upon requisition by the commission, not exceeding in the aggregate in any year the sum of forty-five thousand dollars, or such additional sums as may be appropriated for the purpose by the city council and approved by the mayor. A sum sufficient to cover the salary of the chairman of the commission and the further sum of at least forty-five thousand dollars to meet the expenses as aforesaid each year shall be appropriated by said city. The commission shall have the same right to incur expenses in anticipation of its appropriation as if it were a regular department of said city.

SECT. 21. For the purpose of enabling the said commission to perform the duties and carry out the objects herein contemplated, and to enable the mayor, the city council, the governor or the general court to receive the reports and findings of said commission as a basis for such laws, ordinances, or administrative orders as may be deemed meet, the commission shall have all the powers and duties enumerated in chapter five hundred and sixty-two of the acts of the year nineteen hundred and eight and therein conferred upon the commission designated in said act; but counsel for any witness at any public hearing may ask him any pertinent question and may offer pertinent evidence through other witnesses subject to cross examination by the commission and its counsel.

THE CITY CLERK.

SECT. 22. The present city clerk shall hold office for the term for which he has been elected, and thereafter until his successor is chosen and qualified. In the year nineteen hundred and eleven, and every third year thereafter, a city clerk shall be elected by a majority of the members of the city council, to hold office until the first Monday in February in the third year following his election, and thereafter until his successor has been duly chosen and qualified, unless sooner removed by due process of law. The city clerk shall act as clerk of the city council established by this act.

THE CITY AUDITOR.

SECT. 23. All accounts rendered to or kept in the departments of the city of Boston or county of Suffolk shall be subject to the inspection and revision of the city auditor, and shall be rendered and kept in such form as he shall prescribe. The auditor may require any person presenting for settlement an account or claim against the city or county to make oath before him in such form as he may prescribe as to the accuracy of such account or claim. The wilful making of a false oath shall be perjury and punishable as such. The auditor may disallow and refuse to pay, in whole or in part, any claim on the ground that it is fraudulent or unlawful and in that case he shall file a written statement of his reasons for the refusal.

* Sect. 20 as amended by Chap. 81, Acts of 1921, and Chap. 369, Acts of 1924.

SECT. 24. Whenever, in response to an advertisement by any officer or board of the city or county, a bid for a contract to do work or furnish materials is sent or delivered to said officer or board, a duplicate of the same shall be furnished by the bidder to the auditor, to be kept by him and not opened until after the original bids are opened. After the original bids are opened, the auditor shall open and examine the bids submitted to him, and shall compare the same with the original bids. In case any of the bids submitted to the auditor differ from the corresponding original bids, those submitted to the auditor shall be treated as the original bids. The contract shall not be awarded until after both sets of bids are opened.

SECT. 25. The auditor shall furnish monthly to each head of department a statement of the unexpended balance of the appropriation for that department, and he shall furnish to the mayor and city council a statement of the unexpended balances of all the departments. He shall furnish quarterly to the city council an itemized statement showing the amount of money expended by the mayor and the city council for contingent expenses.

MISCELLANEOUS PROVISIONS.

SECT. 26.* All loans issued by the city after the passage of this act shall be made payable in annual instalments in the manner authorized by section thirteen of chapter twenty-seven of the Revised Laws as amended by section one of chapter three hundred and forty-one of the acts of the year nineteen hundred and eight. No sinking fund shall be established for said loan. All bonds shall be offered for sale in such a manner that the effect of the premiums, if any, shall be to reduce the total amount of bonds issued. No city or county money shall be deposited in any bank or trust company of which any member of the board of sinking fund commissioners of said city is an officer, director, or agent. Nothing herein shall apply to transit bonds of the city of Boston issued under the provisions of the several acts authorizing the construction of tunnels and subways in said city by the Boston Transit Commission, and said bonds may be issued as heretofore and secured by sinking fund.

SECT. 27.† Every officer and board in charge of a department of the city of Boston or county of Suffolk shall on or before the sixth day of June in each year prepare and furnish to the city auditor a list of the officials and employees under said officer or board and paid by the city or county on the first day of June preceding. Such lists shall give the names, residence by street and ward, designation, compensation, and date of election or appointment of each of said officials and employees and the date when each first entered the employ of the city or county. It shall be the duty of the city auditor to verify said lists by the pay rolls and to keep a copy of said lists open for public inspection; and when

* Sect. 26 as amended by Chap. 437, Acts of 1910.

† Sect. 27 as amended by Chap. 168, Special Acts of 1919, and Chap. 133, Acts of 1922.

verified the said lists shall be printed by the superintendent of printing as a city document in the year 1923 and every two years thereafter.

SECT. 28. The jurisdiction now exercised by the board of aldermen concerning the naming of streets, the planting and removal of trees in the public ways, the issue of permits or licenses for coasting, the storage of gasoline, oil, and other inflammable substances or explosive compounds and the use of the public ways for any permanent or temporary obstruction or projection in, under, or over the same, including the location of conduits, poles, and posts for telephone, telegraph, street railway, or illuminating purposes, is hereby vested in the board of street commissioners, to be exercised by said board with the approval in writing of the mayor; and the mayor and city council shall have authority to fix by ordinance the terms by way of cash payment, rent, or otherwise, upon which permits or licenses for the storage of gasoline or oil, or other inflammable substances or explosive compounds, and the construction or use of coal holes, vaults, bay windows, and marqueses, in, under, or over the public ways shall be issued.

SECT. 29. Within ninety days after the passage of this act and thereafter there shall be published at least once a week and distributed and sold under the direction of the mayor and on terms to be fixed by the city council and approved by the mayor a paper to be known as the *City Record*. All advertising, whether required by law or not, with reference to the purchase or taking of land, contracts for work, materials, or supplies, the sale of bonds, or the sale of property for non-payment of taxes shall appear exclusively in said paper; a list of all contracts of one thousand dollars or more, as awarded, with the names of bidders, and the amount of the bids; appointments by the mayor; and changes in the number and compensation of employees in each department, shall be published in the *City Record*. The proceedings of the city council and school committee together with all communications from the mayor, shall be published in the *City Record*.

SECT. 30. Every officer or board in charge of a department in said city, when authorized to erect a new building or to make structural changes in an existing building, shall make contracts therefor, not exceeding five, each contract to be subject to the approval of the mayor; and when about to do any work or to make any purchase, the estimated cost of which alone, or in conjunction with other similar work or purchase which might properly be included in the same contract, amounts to or exceeds one thousand dollars, shall, unless the mayor gives written authority to do otherwise, invite proposals therefor by advertisement in the *City Record*. Such advertisement shall state the time and place for opening the proposals in answer to said advertisement, and shall reserve the right to the officer or board to reject any or all proposals. No authority to dispense with advertising shall be given by the mayor unless the said officer or board furnishes him with a signed statement which shall be published in the *City Record* giving in detail the reasons for not inviting bids by advertisement.

SECT. 31. At the request of any department, and with the approval of the mayor the board of street commissioners, in the name of the city, may take in fee for any municipal purpose any land within the limits of the city, not already appropriated to public use. Whenever the price proposed to be paid for a lot of land for any municipal purpose is more than twenty-five per cent higher than its average assessed valuation during the previous three years, said land shall not be taken by purchase but shall be taken by right of eminent domain and paid for in the manner provided for the taking of and the payment of damages for land for highways in said city. No land shall be taken until an appropriation by loan or otherwise for the general purpose for which land is needed shall have been made by the mayor and city council by a two thirds vote of all its members; or in case of land for school purposes by the school committee and schoolhouse department in accordance with law; nor shall a price be paid in excess of the appropriation, unless a larger sum is awarded by a court of competent jurisdiction. All proceedings in the taking of land shall be under the advice of the law department, and a record thereof shall be kept by said department.

SECT. 32.* Beginning in the year nineteen hundred and twenty-five, the municipal election in said city shall take place biennially in every odd numbered year on the Tuesday after the first Monday in November.

SECT. 33.† The fiscal year in said city shall begin on January first and shall end on December thirty-first next following; and the municipal year shall begin on the first Monday in January and shall continue until the first Monday of the January next following. At the biennial municipal election in the year nineteen hundred and twenty-five, the five members of the school committee shall be elected. The two candidates receiving the largest number of votes at said election shall hold office for four years, and the three receiving the next largest number of votes at said election, for two years. At every biennial municipal election thereafter, all members of the school committee to be elected shall be chosen for terms of four years each. The terms of all members of the school committee shall begin with the first Monday of January following their election and continue until their successors are chosen and qualified. The members of the school committee shall meet and organize on the first Monday of January following their election.

SECT. 34. In Boston beginning with the current year political committees shall be elected at the state primaries instead of at the municipal primaries.

* * * * *

* Sect. 32 as amended by Chap. 730, Sect. 1, Acts of 1914; Chap. 288, Acts of 1921, and Chap. 479, Acts of 1924.

† Sect. 33 as amended by Chap. 479, Acts of 1924.

* * * Sections 35 to 44, inclusive, are omitted because now inoperative.

SECT. 45.* Beginning with the biennial municipal election in the year nineteen hundred and twenty-five, the mayor of the city of Boston shall be elected at large to hold office for the term of four years from the first Monday in January following his election and until his successor is chosen and qualified and shall not be eligible for election for the succeeding term.

SECT. 46. Providing for recall of mayor repealed by Special Acts 1918, Chap 94.

SECT. 47.† If a vacancy occurs in the office of mayor within two months prior to a regular municipal election other than an election for mayor, or within sixteen months after any regular municipal election, the city council shall forthwith order a special election of mayor to serve for the unexpired term, and if such vacancy occurs at any other time there shall be an election for mayor at the next regular municipal election for the term of four years; provided, that the foregoing provisions shall not apply if such vacancy occurs between the date of an election at which a new mayor is elected and the date he takes office. In the case of the decease, inability, absence or resignation of the mayor, and whenever there is a vacancy in the office from any cause, the president of the city council while said cause continues or until a mayor is elected shall perform the duties of mayor. If he is also absent or unable from any cause to perform such duties they shall be performed until the mayor or president of the city council returns or is able to attend to said duties by such member of the city council as that body may elect, and until such election by the city clerk. The person upon whom such duties shall devolve shall be called "acting mayor" and he shall possess the powers of mayor only in matters not admitting of delay, but shall have no power to make permanent appointments except on the decease of the mayor.

Sections 8, 9, and 13 of Chap. 479, Acts of 1924.

SECT. 8. At the biennial state election in nineteen hundred and twenty-four, the registered voters of the city of Boston shall be entitled to vote upon the following plans of city council, which shall be printed upon the official ballot in the following form. Each voter shall make a cross in the space at the right of the plan which he desires to have adopted. No ballot shall be counted upon which the voter has made a cross in each such space.

Plan No. 1. A city council of fifteen members to consist of three members to be elected for two year terms by and from the voters of each of five boroughs (each comprising certain specified wards) at a salary of fifteen hundred dollars each, nominated as heretofore, except that the names of five hundred voters only shall be required to nominate each member.



* Sect. 45 as amended by Chap. 94, Special Acts of 1918, and Chap. 479, Acts of 1924.

† Sect. 47 as amended by Chap. 730, Acts of 1914, Sects. 2 and 3, and Chap. 479, Acts of 1924.

Plan No. 2. A city council to consist of one member to be elected for a two year term by and from the voters of each ward at a salary of fifteen hundred dollars each, nominated as heretofore, except that the names of one hundred voters only shall be required to nominate each member.

SECT. 9. If a majority of the votes cast under the provisions of the preceding section are in favor of the first plan, then sections ten to twelve, inclusive, shall take effect subject to section twenty-one, and sections fourteen to sixteen, inclusive, shall be inoperative.

* * * * *

SECT. 13.* If a majority of the votes cast under the provisions of section eight are in favor of the second or alternative plan, then sections fourteen to sixteen, inclusive, shall take effect subject to section twenty-one and sections ten to twelve, inclusive, shall be inoperative.

SECT. 48.† Beginning with the biennial municipal election in the year nineteen hundred and twenty-five there shall be elected at each regular municipal election by and from the registered voters of each ward one councillor to serve for two years from the first Monday in January following his election and until his successor is elected and qualified.

SECT. 49. Each member of the city council shall be paid an annual salary of fifteen hundred dollars; and no other sum shall be paid from the city treasury for or on account of any personal expenses directly or indirectly incurred by or in behalf of any member of said council.

SECT. 50.‡ The city council shall be the judge of the election and qualifications of its members; shall elect from its members by vote of a majority of all the members a president who when present shall preside at the meetings thereof; shall from time to time establish rules for its proceedings, and shall, when a vacancy occurs in the office of any member during the first eighteen months of his term, order a special election in his ward to fill such vacancy for the unexpired term. The member eldest in years shall preside until the president is chosen, and in case of the absence of the president, until a presiding officer is chosen.

SECT. 51. All elections by the city council under any provision of law shall be made by a *viva voce* vote, each member who is present answering to his name when it is called by the clerk or other proper officer, and stating the name of the person for whom he votes, or declining to vote as the case may be; and the clerk or other proper officer shall record every such vote. No such election shall be valid unless it is made as aforesaid.

SECT. 52. No primary election or caucus for municipal offices shall be held hereafter in the city of Boston, and all laws relating to primary elections and caucuses for such offices in said city are hereby repealed.

* * * Sections 10 to 12, inclusive, omitted because inoperative.

* Plan No. 2 was accepted by the voters at the State Election, November 4, 1924.

† Sect. 48 as amended by Chap. 479, Acts of 1924.

‡ Sect. 50 as amended by Chap. 479, Acts of 1924.

SECT. 53.* Any registered voter who is qualified to vote for a candidate for any municipal elective office in such city may be a candidate for nomination thereto, and his name as such candidate shall be printed on the official ballot to be used at the municipal election; provided, that at or before five o'clock P. M. of the sixth Tuesday prior to such election nomination papers prepared and issued by the election commissioners, signed in person for the nomination for mayor by at least three thousand registered voters in said city qualified to vote for such candidate at said election, signed in person for the nomination for school committee by at least two thousand registered voters in said city qualified to vote for such candidate at said election and signed in person for the nomination for city councillor by at least three hundred registered voters in the ward, for which said nomination is sought, qualified to vote for such candidate at said election shall be filed with said election commissioners and the signatures on the same to the number required to make the nomination subsequently certified by the election commissioners as hereinafter provided. Said nomination papers shall be in substantially the following form:

COMMONWEALTH OF MASSACHUSETTS
CITY OF BOSTON
NOMINATION PAPER.

The undersigned, registered voters of the City of Boston, qualified to vote for a candidate for the office named below, in accordance with law, make the following nomination of a candidate to be voted for at the election to be held in the City of Boston on November , 19 .

NAME OF CANDIDATE. (Give first or middle name in full.)	Office for which nominated.	Residence Street and Number, if any.

SIGNATURES AND RESIDENCES OF NOMINATORS.

We certify that we have not subscribed to more nominations of candidates for this office than there are persons to be elected thereto. In case of the death, withdrawal or incapacity of the above nominee, after written acceptance filed with the board of election commissioners, we authorize (names of a committee of not less than five persons) or a majority thereof as our representatives to fill the vacancy in the manner prescribed by law.

* Sect. 53 as amended by Chap. 730, Sect. 4, Acts of 1914; Chap. 37, Special Acts of 1918; Chap. 479, Acts of 1924; Chap. 136, Acts of 1925; and Chap. 105, Acts of 1926.

SIGNATURES OF NOM- INATORS. To be made in person.	Residence April 1.	Ward.	Precinct.	Present Residence.

ACCEPTANCE OF NOMINATION.

I accept the above nomination.

Signature of Nominee.

I (the candidate named in this paper, an officer of his political committee or the person who circulated this paper, as the case may be) do hereby make oath that the persons whose names appear on this paper as nominators signed the same in person.

(Voter's Residence.)

COMMONWEALTH OF MASSACHUSETTS.

SUFFOLK, SS.

BOSTON,

19 .

Then personally appeared _____ who, I am satisfied, is (the candidate named in this paper, an officer of his political committee, or the person who circulated this paper, as the case may be) and made oath that the foregoing statement by him subscribed is true, and that his voting residence is _____

Before me,

Notary Public or Justice of the Peace.

The affidavit above set forth shall be sworn to before any officer qualified to administer oaths.

SECT. 54.* If a candidate nominated as aforesaid dies before the day of election, or withdraws his name from nomination, or is found to be ineligible, the vacancy may be filled by a committee of not less than five persons, or a majority thereof, if such committee be named, and so authorized in the nomination papers. Nomination papers shall not include candidates for more than one office. Every voter may sign as many nomination papers for each office to be filled as there are persons to be elected thereto and no more. Nomination papers shall be issued by the board of election

* Sect. 54 as amended by Chap. 730, Sect. 5, Acts of 1914; Chap. 340, Acts of 1921; Chap. 479, Acts of 1924; and Chap. 105, Acts of 1926.

commissioners on and after but not before the ninth Tuesday preceding the regular municipal election. Such papers shall be issued only to candidates who shall file with the election commissioners requests therefor in writing, containing their names with the first or middle name in full, the offices for which they are candidates, and their residences, with street and number, if any. Forthwith the election commissioners shall print or insert on such nomination papers the names of the candidates, the offices for which they are nominated and their residences, with street and number, if any. Not more than three hundred such nomination papers shall be issued to any candidate for mayor, and not more than two hundred such nomination papers shall be issued to any candidate for the school committee and to any candidate for the city council there shall be issued not more than ten such nomination papers for a ward. No nomination papers except those issued in accordance with the provisions of this section shall be received or be valid.

SECT. 55.* Women who are qualified to vote may be nominated as and sign nomination papers for candidates for office in the manner and under the same provisions of law as men.

SECT. 56.† The names of candidates appearing on nomination papers shall when filed be a matter of public record; but the nomination papers shall not be open to public inspection until after certification. After such nomination papers have been filed, the election commissioners shall certify thereon the number of signatures which are the names of registered voters in the city qualified to sign the same. They shall not certify a greater number of names than are required to make a nomination, with one-tenth of such number added thereto. All such papers found not to contain a number of names so certified equivalent to the number required to make a nomination shall be invalid. The election commissioners shall complete such certification on or before five o'clock P. M. on the twentieth day preceding the city election. Such certification shall not preclude any voter from filing objections as to the validity of the nomination. All withdrawals and objections to such nominations shall be filed with the election commissioners on or before five o'clock P. M. on the fourteenth day preceding the city election. All substitutions to fill vacancies caused by withdrawal or ineligibility shall be filed with the election commissioners on or before five o'clock P. M. on the thirteenth day preceding the city election.

SECT. 57. The name of each person who is nominated in compliance with law, together with his residence and the title and term of the office for which he is a candidate shall be printed on the official ballots at the municipal election and the names of no other candidates shall be printed thereon. The names of candidates for the same office shall be printed upon the official ballot in the order in which they may be drawn by the

* Sect. 55 as amended by Chap. 65, Acts of 1921.

† Sect. 56 as amended by Chap. 730, Acts of 1914; Chap. 288, Acts of 1921; and Chap. 105, Acts of 1926.

board of election commissioners, whose duty it shall be to make such drawing and to give each candidate an opportunity to be present thereat personally or by one representative.

SECT. 58.* No ballots used at any biennial or special municipal election shall have printed thereon any party or political designation or mark, and there shall not be appended to the name of any candidate any such party or political designation or mark, or anything showing how he was nominated or indicating his views or opinions.

SECT. 59.† On ballots to be used at biennial or special municipal elections blank spaces shall be left at the end of each list of candidates for the different offices, equal to the number to be elected thereto, in which the voter may insert the name of any person not printed on the ballot for whom he desires to vote for such office.

SECT. 60. All laws not inconsistent with the provisions of this act, governing nomination papers and nominations for, and elections of municipal officers in the city of Boston, shall so far as they may be applicable, govern the nomination papers, nominations and elections provided for in this act. The board of election commissioners shall be subject to the same penalties and shall have the same powers and duties, where not inconsistent with the provisions of this act, in relation to nomination papers, preparing and printing ballots, preparing for and conducting elections and counting, tabulating and determining the votes cast under the provisions of this act, as they have now in relation to municipal elections in said city.

SECT. 61. The provisions of this act shall apply to any special municipal election held after the year nineteen hundred and nine in the city of Boston, except that nomination papers for offices to be filled at such elections shall be issued by the election commissioners on and after the day following the calling of said special election. Every special municipal election shall be held on a Tuesday not less than sixty days nor more than ninety days after the date of the order calling such special election.

SECT. 62. All acts and parts of acts, so far as inconsistent with this act, are hereby repealed; and all ordinances and parts of ordinances, so far as inconsistent with this act, are hereby annulled. All acts and parts of acts affecting the city of Boston, not inconsistent with the provisions of this act, are hereby continued in force.

The provisions of the amended charter went into full effect February 7, 1910. Sections 45 to 61, inclusive, were accepted by the voters at the state election, November 2, 1909.

Plan No. 2, set forth in section 8 of Chap. 479, Acts of 1924, for a city council of one member from each ward, was accepted by the voters at the state election November 4, 1925.

The provisions of Chap. 479 of the Acts of 1924 went into full effect January 4, 1926.

* Sect. 58 as amended by Chap. 479, Acts of 1924.

† Sect. 59 as amended by Chap. 479, Acts of 1924.

OFFICERS

IN CHARGE OF THE EXECUTIVE DEPARTMENTS.

The following table shows the manner in which the administrative heads of the Executive departments are appointed or elected, the time of appointment or election and the term of office as prescribed by statute, ordinance, or both by each. (See Acts of 1930, Chap. 167.)

OFFICERS.	How Created.	APPOINTED OR ELECTED.		TERM.	
		By Whom.	When.	Begins.	Length.
Art Commission (Five),	Statute...	Mayor...	Annually, one.....	May 1..	5 yrs.
Assessors (Three)	"	"	Annually, one.....	April 1..	3 "
Auditor.....	Ord.....	"	Quadren- nially....	May 1..	4 "
Budget Commissioner,	"	"	Quadren- nially....	" 1..	4 "
Building Commissioner,	Statute...	"	Quadren- nially....	" 1..	4 "
City Clerk.....	"	City Council.	Triennially,	1st Mon. in Jan..	3 "
City Planning Board (Five).....	Ord.....	Mayor...	Annually, one.....	May 1..	5 "
Collector.....	Statute...	"	Quadren- nially....	" 1..	4 "
Corporation Counsel....	Ord.....	"	Quadren- nially....	" 1..	4 "
Election Commissioners (Four).....	Statute...	"	Annually, one.....	April 1..	4 "

CHIEF OFFICERS OF EXECUTIVE DEPARTMENTS. 39

OFFICERS.	How Created.	APPOINTED OR ELECTED.		TERM.	
		By Whom.	When.	Begins.	Length.
Fire Commissioner.....	Statute...	Mayor...	Quadren- nially.....	May 1..	4 yrs.
Health Commissioner...	Ord.....	" ...	Quadren- nially.....	" 1..	4 "
Hospital Trustees (Five).....	Statute...	" ...	Annually, one.....	" 1..	5 "
Institutions Commis- sioner.....	Ord.....	" ...	Quadren- nially.....	" 1..	4 "
Library Trustees (Five)	" ...	" ...	Annually, one.....	" 1..	5 "
Markets, Superintend- ent of.....	" ...	" ...	Quadren- nially.....	" 1..	4 "
Overseers of the Pub- lic Welfare (Twelve),	Statute...	" ...	Annually, four.....	" 1..	3 "
Park Commissioners (Three).....	" ...	" ...	Annually, one.....	" 1..	3 "
Penal Commissioner....	Ord.....	" ...	Quadren- nially.....	" 1..	4 "
Printing, Superintend- ent of.....	" ...	" ...	Quadren- nially.....	" 1..	4 "
Public Buildings, Su- perintendent of.....	" ...	" ...	Quadren- nially.....	" 1..	4 "
Public Works, Com- missioner of.....	" ...	" ...	Quadren- nially.....	" 1..	4 "
Registrar, City.....	Statute...	" ...	Quadren- nially.....	" 1..	4 "
Sinking Funds Com- missioners (Six).....	" ...	" ...	Annually, two.....	" 1..	3 "

OFFICERS.	How Created.	APPOINTED OR ELECTED.		TERM.	
		By Whom.	When.	Begins.	Length.
Soldiers' Relief Commissioner.....	Statute...	Mayor...	Quadrennially.....	May 1..	4 yrs.
Statistics Trustees (Five).....	Ord.....	" ...	Annually, one.....	" 1..	5 "
Street Commissioners (Three).....	Statute...	" ...	Annually, one.....	1st Mon. in Jan...	3 "
Supplies, Superintendent of.....	Ord.....	" ...	Quadrennially.....	May 1..	4 "
Traffic Commissioners..	Statute...	" ...	Quadrennially...	" 1..	4 "
Transit Commissioners (Three).....	Ord.....	" ...	Triennially	" 1..	3 "
Treasurer.....	Statute...	" ...	Quadrennially.....	" 1..	4 "
Vessels, Weighers of....	" ...	" ...	Annually, two.....	" 1..	"
Weights and Measures, Sealer of.....	" ...	" ...	.....	.....	.....

EXECUTIVE DEPARTMENTS.

DEPARTMENT OF THE MAYOR.

Office, 27 City Hall, second floor.

[Stat. 1885, Chap. 266; Stat. 1895, Chap. 449; Rev. Ord. 1898, Chap. 2; Stat. 1904, Chap. 450; Stat. 1905, Chap. 341; Stat. 1906, Chap. 259; Stat. 1907, Chaps. 274, 463; C. C. Title II., Chap. 3; Stat. 1908, Chaps. 292, 494; Stat. 1909, Chap. 486; Stat. 1910, Chap. 373; Stat. 1911, Chap. 413; Stat. 1912, Chap. 550; Stat. 1913, Chaps. 280, 367, 788; Stat. 1914, Chaps. 274 and 730; Rev. Ord. 1914, Chap. 2; Spec. Stat. 1915, Chaps. 184, 348; Spec. Stat. 1918, Chap. 94; Gen. Stat. 1919, Chap. 75; Stat. 1920, Chaps. 6, 312, 613; Stat. 1921, Chaps. 169, 407, 497; Stat. 1922, Chaps. 35, 399, 521; Stat. 1924, Chaps. 453 and 479; Stat. [1930, Chap. 167.]

JAMES M. CURLEY, *Mayor*.

CORNELIUS A. REARDON, *Secretary*.

JOSEPH P. HANLON, *Assistant Secretary*.

JOHN J. SHAUGHNESSY, *Assistant Secretary*.

WILLIAM L. ANDERSON, *Assistant Secretary*.

LOUIS BARRASSO, *Assistant Secretary*.

JOHN P. MAHONEY, *Chief Clerk*.

FRANK A. BENSON, *Assistant Chief Clerk*.

JOHN M. CASEY, *Chief Licensing Division*.

JOSEPH MIKOLAJEWSKI, *Assistant*.

JOHN A. SULLIVAN, *Chief Stenographer*.

THE CITY RECORD.

Office, 73 City Hall.

FRANK H. CUSHMAN, *Editor*.

JOSHUA H. JONES, JR., *Associate Editor*.

MUNICIPAL EMPLOYMENT BUREAU.

25 Church Street.

JOHN J. SHIELDS, *Director*.

ART DEPARTMENT.

Office, 1001 City Hall Annex.

[Stat. 1898, Chap. 410; Rev. Ord. 1898, Chap. 4; C. C. Title IV., Chap. 11;
Spec. Stat. 1919, Chap. 87.]

OFFICIALS.

CHARLES D. MAGINNIS, *Acting Chairman*.

ARTHUR A. SHURTLEFF, *Secretary*.

COMMISSIONERS.*

GEORGE H. EDGELL, named by the Boston Society of Architects. Term ends in 1935.

CHARLES D. MAGINNIS, named by the Massachusetts Institute of Technology. Term ends in 1934.

PHILIP S. SEARS, named by Trustees of Museum of Fine Arts. Term ends in 1933.

ARTHUR A. SHURTLEFF. Named by Boston Art Club. Term ends in 1932.

WILLIAM T. ALDRICH, named by the Trustees of the Public Library. Term ends in 1931.

The Art Department, established in 1898, is in charge of five commissioners, who are appointed by the Mayor. Each of the following-named bodies, namely, the Trustees of the Museum of Fine Arts, the Trustees of the Boston Public Library, the Trustees of the Massachusetts Institute of Technology, the Boston Art Club, and the Boston Society of Architects, submits a list of three persons to the Mayor; and the Mayor appoints one person as Art Commissioner from each of the lists so submitted. Whenever the term of a member of the Board expires, the Mayor appoints his successor from a list selected by the body which made the original selection, as aforesaid.

No work of art can become the property of the City of Boston without the approval of the Art Department, which may also be requested by the Mayor or the City Council to pass upon the design of any municipal building, bridge, approach, lamp, ornamental gate or fence, or other structure to be erected upon land belonging to the City. No work of art, the property of the City of Boston, shall be removed except by order of the Art Commissioners and with the approval of the Mayor. Moreover, all contracts or orders for the execution of any painting, monument, statue, bust, bas-relief, or other sculpture for the City shall be made by said Board, acting by a majority of its members, subject to the approval of the Mayor. By Chap. 87, Special Acts of 1919, all works of art owned by the City were placed in the custody and care of the Art Commissioners.

* The Commissioners serve without compensation.

ASSESSING DEPARTMENT.

Office, 301 City Hall Annex, third floor.

[Stat. 1854, Chap. 448, § 37; Stat. 1884, Chap. 123; Stat. 1903, Chap. 279; Rev. Ord. 1898, Chap. 5; Ord. 1900, Chap. 5; Ord. 1901, Chap. 8; C. C. Title IV., Chap. 12; Ord. 1910, Chap. 1; Stat. 1911, Chap. 89; Stat. 1913, Chaps. 155, 484; Stat. 1914, Chap. 198; Rev. Ord. 1914, Chap. 5; Gen. Stat. 1915, Chap. 91; Gen. Stat. 1916, Chaps. 87, 173, 294; Spec. Stat. 1918, Chap. 93; Stat. 1920, Chaps. 93, 96, 183, 552; Stat. 1921, Chaps. 283, 399; Stat. 1922, Chap. 6; Stat. 1924, Chap. 410.]

OFFICIALS.

EDWARD T. KELLY, *Chairman*.

FRED E. BOLTON, *Secretary*.

ASSESSORS.

NEAL J. HOLLAND. Term ends March 31, 1934.

EDWARD T. KELLY. Term ends March 31, 1933.

HENRY L. DAILY. Term ends March 31, 1932.

DEPUTY ASSESSORS.

FRED E. BOLTON.

WILLIAM H. CUDDY.

JAMES H. PHELAN.

JOHN M. HAYES.

DANIEL F. RYAN, *Chief Clerk*.

One Assessor is appointed each year by the Mayor for a term of three years, from April 1, the Chairman of the Board of three members being designated by the Mayor.

The Assessors published annual tax lists from 1822 to 1866. Since 1866 the records of the department are almost entirely in manuscript. Annual reports have been made since 1890.

ASSISTANT ASSESSORS.

[Stat. 1885, Chap. 266, § 2; Stat. 1894, Chap. 276; Stat. 1901, Chap. 400; Rev. Ord. 1898, Chap. 5, § 1; Ord. 1901, Chap. 6; C. C., Title IV., Chap. 12, § 2; Stat. 1913, Chap. 484; Spec. Stat. 1918, Chap. 93; Stat. 1920, Chap. 96; Ord. 1920, Chap. 1; Ord. 1923, Chap. 7; Ord. 1925, Chap. 3; Stat. 1925, Chap. 39.]

The Assistant Assessors are appointed from the Civil Service list by the Board of Assessors for an indeterminate period, subject to the approval of the Mayor, one for each assessment district or two when required. The redivision of the City into 22 wards (see Chap. 410, Acts of 1924) by

a special legislative commission in December, 1924, made new assessment districts necessary. By the original Act the change was not ordered to go into effect in 1925, but an amendment was made later whereby the new districts first applied to the 1925 assessments.

ASSISTANT ASSESSORS FOR 1931.

- Ward 1.—First Part.*—Maurice J. Power, 10 Tremont street.
- Ward 1.—Second Part.*—Lucian J. Priest, 59 High street, Charlestown.
- Ward 2.—First Part.*—Frederick A. Robinson, 641 South street, Roslindale.
- Ward 2.—Second Part.*—Francis T. Keefe, 10 State street.
- Ward 3.—First Part.*—Henry J. Ireland, 20 Folsom street, Dorchester.
- Ward 3.—Second Part.*—Edward L. Hopkins, 87 Farragut road, South Boston.
- Ward 3.—Third Part.*—Arthur C. Quincy, 73 Tremont street.
- Ward 3.—Fourth Part.*—Thomas H. Dacey, 159 Devonshire street.
- Ward 3.—Fifth Part.*—Charles A. Murphy, 1604 Dorchester avenue.
- Ward 3.—Sixth Part.*—Jacob Rosenberg, 37 Allen street.
- Ward 3.—Seventh Part.*—Arthur W. Smith, 105 Warren street, Roxbury.
- Ward 3.—Eighth Part.*—Michael J. Brophy, 18 Tremont street.
- Ward 3.—Ninth Part.*—Adolph H. Brauneis, 11 Zamora court, Jamaica Plain.
- Ward 3.—Tenth Part.*—John J. Chapman, 837 East Third street, South Boston.
- Ward 3.—Eleventh Part.*—Warren F. Freeman, Jr., 15 State street.
- Ward 4.—First Part.*—Augustus D. McLennan, 86 Ruthven street, Roxbury.
- Ward 4.—Second Part.*—William F. Morrissey, 1636 Columbia road, South Boston.
- Ward 5.—First Part.*—Fred W. Burleigh, Peabody square, Dorchester.
- Ward 5.—Second Part.*—Arthur L. Curry, 266 Arborway, Jamaica Plain.
- Ward 5.—Third Part.*—John H. Hout, 21 Saxton street, Dorchester.
- Ward 6.—First Part.*—Joseph P. Dempsey, 97 Pierce avenue, Dorchester.
- Ward 6.—Second Part.*—John J. O'Connor, 708 Broadway, South Boston.
- Ward 7.*—Francis J. Turcotte, 169 Bennington street, East Boston.
- Ward 8.*—John F. Fitzpatrick, 345 Neponset avenue, Dorchester.
- Ward 9.*—Frederick F. Smith, 176 Walnut avenue, Roxbury.
- Ward 10.*—John M. Machugh, 2 Sutherland road, Brighton.
- Ward 11.*—George A. Maloney, 23 Walk Hill street, Jamaica Plain.
- Ward 12.—First Part.*—John J. Butler, 69 Penfield street, Roslindale.
- Ward 12.—Second Part.*—Albert F. Hennessey, 34 Pond street, Dorchester.
- Ward 13.*—Philip E. Conroy, 29 Sargent street, Dorchester.

Ward 14.—First Part.—John J. Dailey, 1441 Dorchester avenue, Dorchester.

Ward 14.—Second Part.—Charles H. Warren, 623 A Washington street, Dorchester.

Ward 15.—Matthew H. Doyle, 73 Tremont street, Room 723.

Ward 16.—First Part.—Edward E. McGrath, 559 Ashmont street, Dorchester.

Ward 16.—Second Part.—Thomas J. Murphy.

Ward 17.—Matthew J. Peters, 746 East Fourth street, South Boston.

Ward 18.—First Part.—Thomas P. O'Connor, 708 East Broadway, South Boston.

Ward 18.—Second Part.—Richard F. Pierce, 58 Hunnewell avenue, Brighton.

Ward 18.—Third Part.—Paul J. Oswald, 100 Tyndale street, Roslindale.

Ward 19.—First Part.—Edmund G. White, 192 Faneuil street, Brighton.

Ward 19.—Second Part.—Francis X. Hurley, 19 Park street, Dorchester.

Ward 20.—First Part.—Henry T. Hartmere, 99 Amherst street, Roslindale.

Ward 20.—Second Part.—Leopold F. Quinn, 6 Graham terrace, West Roxbury.

Ward 20.—Third Part.—Timothy W. Murphy, 11 Zamora court, Jamaica Plain.

Ward 21.—First Part.—Joseph A. McMorrow, 45 Englewood avenue, Brighton.

Ward 21.—Second Part.—Francis J. Ryan, 10 Gloria road, West Roxbury.

Ward 22.—Albert J. A. Gleason, 4 Athol street, Allston.

SECOND ASSISTANT ASSESSORS.

Timothy J. Callahan, 726 Parker street, Roxbury.

Philip J. Camerlengo, 113 Eutaw street, East Boston.

Mae F. Canty, 12 Central street, West Roxbury.

Charlotte F. Cashman, 156 Webster street, East Boston.

Charles J. Corkery, 47 St. Botolph street, Boston.

Oliver J. Davenport, 106 Greenbrier street, Dorchester.

Charles Duckering, 465 Washington street, Dorchester.

Edward J. Farrell, 6 Victor street, Dorchester.

Joseph F. Flynn, 63 Ottawa street, Roxbury.

James J. Gallagher, 147 Warren avenue, Boston.

Alice E. Lyons, 15 Centre avenue, Dorchester.

Delia M. Cauley, 47 Winship street, Brighton.

Charles A. Horrigan, 34 A Bunker Hill street, Charlestown.

Charlotte A. Mahoney, 1 Arcadia street, Dorchester.
 Stephen R. Mealey, 944 Parker street, Roxbury.
 Cesare L. Paraboschi, 3825 Washington street, Roslindale.
 Edward F. Sawyer, 51 Moreland street, Roxbury.
 Hilda G. Smith, 61 Clearway street, Boston.
 Albert Soosman, 54 Allen street, Boston.
 John W. Toomey, 510 East Broadway, South Boston.
 Maurice J. Walsh, 88 Esmond street, Dorchester.
 Elizabeth R. White, 53 Clearway street, Boston.
 James F. Burke, 461 Massachusetts avenue, Boston.

AUDITING DEPARTMENT.

Office, 20 City Hall, first floor.

[Rev. Ord. 1898, Chap. 6; Ord. 1901, Chap. 10; Stat. 1909, Chap. 486, §§ 3, 23, 24, 25; Stat. 1911, Chap. 413; Stat. 1913, Chaps. 367, 788; Rev. Ord. 1914, Chap. 6; Spec. Stat. 1917, Chap. 111; Spec. Stat. 1919, Chap. 168; Ord. 1921, Chap. 1; Stat. 1922, Chap. 133; Stat. 1924, Chap. 479; Ord. 1925, Chap. 6.]

RUPERT S. CARVEN, *City Auditor*. Term ends in 1934.

RICHARD D. CLEARY, *Assistant City Auditor*.

The office of Auditor was established by ordinance on August 2, 1824. Regular annual reports of receipts and expenditures have been published by the Auditor since 1825. These reports now contain in addition various financial tables relating to appropriations, debt, etc., and a full account of the trust funds, also lists of City property, by departments. Less complete reports were published by finance committees from 1811 to 1824, inclusive. Since June 1, 1867, the Auditor has published monthly exhibits of all City and County expenditures.

The City Auditor is also Auditor of the County of Suffolk and Secretary of the Board of Commissioners of Sinking Funds. (Rev. Ord. 1925, Chap. 3 and Chap. 6.)

BOSTON RETIREMENT BOARD.

Office, 65 City Hall.

[Stat. 1922, Chap. 521; Stat. 1923, Chaps. 284, 381, 426; Stat. 1924, Chaps. 89, 249, 250, 251; Stat. 1925, Chaps. 18, 90, 152; Stat. 1926, Chap. 390.]

OFFICIALS.

WILFRED J. DOYLE, *Chairman*.

J. GEORGE HERLIHY, *Secretary*.

WM. D. KENNEY, *Executive Officer*.

THE BOARD.

WILFRED J. DOYLE. Term ends Sept. 1, 1932.

EDMUND L. DOLAN (*ex officio*).

J. GEORGE HERLIHY. Term ends Sept. 1, 1933.

The Boston Retirement System was established on Feb. 1, 1923, as provided by Chap. 521 enacted in June, 1922, and accepted by Mayor and City Council in August, 1922. It is administered by a board of three members, the City Treasurer, *ex officio*, one person appointed by the Mayor, and the third member chosen by the other two. The compensation of the members is \$10 each for every meeting attended, but not over \$500 in any one year. After the original appointments, the term of each appointive member is four years.

BOSTON TRAFFIC COMMISSION.

Office, 154 Berkeley Street.

[Stat. 1929, Chap. 263.]

JOSEPH A. CONRY, *Commissioner*. Term ends in 1934.

OFFICIALS.

JOSEPH A. CONRY, *Chairman*.

ASSOCIATE COMMISSIONERS.*

EUGENE C. HULTMAN, *Police Commissioner*.

JOSEPH A. ROURKE, *Commissioner of Public Works*.

WILLIAM P. LONG, *Chairman, Park Commissioners*.

THOMAS J. HURLEY, *Chairman, Street Commissioners*.

ENGINEERING DIVISION.

JOHN F. HURLEY, *Traffic Engineer*.

PHILIP T. DESMOND, *Assistant Traffic Engineer*.

TIMOTHY J. O'CONNOR, *Assistant Traffic Engineer*.

The act establishing the commission became effective April 30, 1929, after approval by the Governor and acceptance by the Mayor and City Council. The commissioner is appointed by the Mayor, to serve four years and until the qualification of his successor, receives compensation established by the Mayor and City Council, and may be removed by the Mayor. The associate commissioners receive no compensation.

The commissioners may employ, subject to the approval of the Mayor and to chapter thirty-one of the General Laws, engineers, experts, assistants and other officers and employees. The commission has exclusive authority to adopt, amend, alter and repeal rules and regulations relative to vehicular street traffic, and to the movement, stopping or standing of

* *Ex officiis*.

vehicles on, and their exclusion from, all or any streets, ways, highways, roads and parkways, under the control of the city. The commission has the power to erect, make and maintain, or cause to be erected, made and maintained, traffic signs, signals, markings and other devices for the control of such traffic in the city and for informing and warning the public as to the rules and regulations adopted by the commission.

The latest revision of the traffic regulations, effective December 15, 1930, contains 177 one-way streets and 176 no parking streets. The commission maintains 56 traffic signals, including an interconnected system in downtown Boston, 3,850 traffic signs, 120 flashing beacons and 154 traffic officer's spotlights. Thirty-four miles of white lines painted in the roadway, including crosswalks, centre lines and stop lines, are maintained by the commission.

BUDGET DEPARTMENT.

Office, 47 City Hall, third floor.

[Ord. 1917, Chap. 3; Ord. 1921, Chap. 4; Ord. 1927, Chap. 3.]

CHARLES J. FOX, *Budget Commissioner*. Term ends in 1934.

EDWARD C. WADE, *Secretary*.

The adoption in 1916 of a segregated budget recommended by the Budget Commission of 1915 was followed by the establishing of an independent department in 1917, to have the supervision of all details of method pertaining to the preparation of the annual appropriation schedules of city and county departments. These are submitted at the beginning of the financial year to the Mayor, who, after 30 days' consideration, submits them to the City Council with his recommendations. The Commissioner of the Budget Department also prepares the form of departmental monthly reports of expenditures of all appropriations by items.

Under the provisions of chapter 400 of the Acts of 1930 the Budget Commissioner is directed to prepare "classification and compensation plans" embracing every office and position in Suffolk County, the salary of which "is wholly payable" from the County Treasury. In effect, this Act establishes the Budget Commissioner as Personal Officer of Suffolk County.

BOARD OF ZONING ADJUSTMENT.

[Chap. 488, Acts 1924, Section 20, amended by Chap. 219, Acts of 1925, Chap. 350, Acts of 1926, Chap. 220, Acts of 1927, Chap. 70 and 137, Acts of 1928, Chap. 88, Acts of 1929, Chap. 347, Acts of 1930, and Chap. 16, Acts of 1931.]

OFFICIALS.

FREDERIC H. FAY, *Chairman*.

LEO SCHWARTZ, *Secretary*.

	MEMBERS. Nominated by	Term ends in
Frederic H. Fay, <i>Chairman</i> ...	City Planning Board.....	<i>Ex officio</i>
Patrick H. Jennings.....	Boston Central Labor Union.....	1934
Frank O. Whitney.....	Boston Society of Civil Engineers.....	1934
W. Franklin Burnham.....	Massachusetts Real Estate Exchange....	1930
Dana Somes.....	{Boston Society of Architects. {Boston Society of Landscape Architects.	1930
Eliot N. Jones.....	Boston Chamber of Commerce.....	1931
James R. Gibson.....	Master Builders' Association.....	1931
Frank Brewster.....	Boston Real Estate Exchange.....	1932
B. Preston Clark.....	Associated Industries of Mass.....	1932
Clifford N. Cann.....	United Improvement Association.....	1933
John H. Gilbody.....	Team Owners' Association	1933
Leo Schwartz.....	Appointed by the Mayor.....	

The board consists of twelve members appointed by the Mayor in the following manner; one member from two candidates to be nominated by each of the following organizations: Associated Industries of Massachusetts, Boston Central Labor Union, Boston Chamber of Commerce, Boston Real Estate Exchange, Massachusetts Real Estate Exchange, Boston Society of Architects and the Boston Society of Landscape Architects, Boston Society of Civil Engineers, Master Builders' Association, Team Owners' Association, United Improvement Association and one member to be selected by the Mayor. All appointive members shall be residents of or engaged in business in Boston. The term of office is five years.

The members of the Board serve without compensation, but any petition for changing the zoning map must be accompanied by a fee of twenty-five dollars before being considered by the Board.

Either upon petition or otherwise, the board may, by a decision of not less than four-fifths of its members, rendered after a public hearing following advertisement and due notice to the owners of all property affected, change the boundaries of districts by changing the zoning map on file at the state secretary's office, to meet altered needs of a locality, to avoid undue concentration of population, to provide adequate light and air, to

lessen congestion in streets, to secure safety from fire, panic and other dangers, to facilitate the adequate provision of transportation, water, sewerage and other public requirements and to promote the health, safety, convenience and welfare of the inhabitants of the city of Boston.

No decision of the Board of Appeal permitting the erection or alteration of a building to an extreme height greater than that otherwise authorized under the provisions of the zoning law for the lot or building in question is effective until and unless confirmed by the decision of not less than two-thirds of the members of the Board of Zoning Adjustment.

If a change in the boundaries of districts is favorably decided upon or if a decision of the Board of Appeal is confirmed, any person aggrieved or any municipal officer or Board, may within fifteen days after the entry of such decision, bring a petition in the Supreme Judicial Court for the County of Suffolk for a writ of certiorari setting forth that such decision is in whole or part not in accordance with the duties and powers of the board.

BUILDING DEPARTMENT.

Offices 901-906 City Hall Annex, ninth floor.

[Stat. 1907, Chap. 550 (*i. e.*, Boston Building Law) as amended; Stat. 1910, Chaps. 284, 571, 631; Stat. 1911, Chaps. 76, 129, 342; Stat. 1912, Chaps. 259, 713; Ord. 1912, Chaps. 3, 9; Stat. 1913, Chaps. 50, 280, 577, 680, 704, 714, 729; Ord. 1913, Chap. 4; Rev. Ord. 1914, Chap. 8 and Chap. 41, §31; Ord. 1914, Chap. 4; Stat. 1914, Chaps. 205, 248, 595, 782, 786; Spec. Stat. 1915, Chaps. 254, 306, 333, 352; Gen. Stat. 1916, Chap. 118 and Spec. Stat. Chaps. 248, 277; Spec. Stat. Chap. 86; Spec. Stat. 1917, Chap. 221; Spec. Stat. 1918, Chaps. 104, 115, 179 (*i. e.*, Building Law amended and codified); Spec. Stat. 1919, Chaps. 32, 155, 156, 163; Stat. 1920, Chaps. 91, 266, 440, 455; Ord. 1920, Chap. 10; Ord. 1921, Chaps. 1, 5; Stat. 1921, Chaps. 60, 109, 137, 280, 298, 476; Stat. 1922, Chaps. 61, 126, 174, 316; Stat. 1923, Chaps. 108, 278, 462; Stat. 1924, Chaps. 332, 335, 412 and 488; R. O. 1925, 68, 415; Stat. 1925, Chaps. 219 and 335; Stat. 1926, Chaps. 182 and 350; Stat. 1927, Chaps. 42, 45, 82, 220, 246 and 342; Stat. 1928, Chaps. 70, 76, 137, 260, 320 and 325; Stat. 1929, Chaps. 88 and 338; Stat. 1930, Chaps. 62, 146, 347 and 399.]

EDWARD W. ROEMER, *Building Commissioner*. Term ends in 1934.

MAX H. LEVY, *Clerk of Department*.

JOSEPH E. CAHILL, *Supervisor of Construction*.

FRANK CONROY, *Chief of Zoning Division*.

EDWIN H. OLIVER, *Chief of Egress Division*.

WILFRED H. SMITH, *Chief, Plan Division A*.

DAVID HASTIE, *Chief, Plan Division B*.

TIMOTHY J. FARRELL, *Supervisor of Elevators*.

WILLIAM A. WHEATER, *Supervisor of Plumbing*.

JAMES W. FLYNN, *Supervisor of Gasfitting*.

It is the duty of the Building Commissioner to issue permits for and inspect the erection and alteration of buildings in the City, and the setting of boilers, engines and furnaces; to keep a register of all persons licensed to take charge of constructing, altering, removing or tearing down buildings; to keep a register of the names of all persons carrying on the business of plumbing and gasfitting, and of all persons working at the business of gasfitting, and to issue licenses to master and journeymen gasfitters; to issue permits for and inspect the plumbing and gasfitting in buildings; to inspect elevators in buildings and report upon elevator accidents; to inspect at least monthly all theaters and moving-picture houses, and semi-annually all halls or places for public assembly; to inspect existing tenement houses; to report on all fires in, and accidents in or to, buildings, and to approve plans of new buildings and alterations.

The Board of Appeal (*i. e.*, appeal from the decisions of the Building Commissioner) although appointed by the Mayor, is nominated by the leading real estate and builders' organizations.

BOARD OF EXAMINERS.

[Ord. 1912, Chap. 9; Rev. Ord. 1914, Chap. 8; Ord. 1920, Chap. 10; Ord. 1925, Chap. 5.]

Office, 907 City Hall Annex, ninth floor.

OFFICIALS.

JOHN F. HICKEY, *Chairman*.

MARY C. DOWD, *Permanent Secretary*.

THE BOARD.

JOHN F. HICKEY. Term ends in 1931.

THOMAS K. REYNOLDS. Term ends in 1932.

HARRY J. GREENBLATT. Term ends in 1933.

The Board of Examiners was established in 1912 as an adjunct of the Building Department, to consist of three members, appointed by the Mayor. The duties of these examiners are to determine the qualifications of persons taking charge or control of the construction, alteration, removal or tearing down of buildings; to register and classify those who are competent according to fitness and certify such to the Building Commissioner. Each examiner is to receive ten dollars for every day or part thereof of actual service, but not more than \$1,000 in any one year. (Chairman \$1,200.)

The fees to be paid to the Board are: for new license, \$5.00, and each annual renewal, \$2.00; special license, \$1.00.

BOARD OF APPEAL.

Office, 907 City Hall Annex, ninth floor.

[Stat. 1907, Chap. 550, §§ 6, 7; C. C., Title IV., Chap. 13, § 6; Stat. 1910, Chap. 631; Stat. 1920, Chap. 440; Stat. 1923, Chap. 108; Stat. 1924, Chap. 488; Stat. 1925, Chap. 219.]

OFFICIALS.

JAMES H. FITZPATRICK, *Chairman*.JAMES A. McELANEY, JR., *Secretary*.

THE BOARD.

DANIEL G. SLATTERY. Term ends in 1935.

JAMES H. FITZPATRICK. Term ends in 1934.

JOSEPH A. TOMASELLO. Term ends in 1933.

JAMES A. McELANEY, JR. Term ends in 1932.

WALTER S. GERRY. Term ends in 1931.

The Board consists of five members, one appointed each year by the Mayor one member from two candidates nominated in successive years, by the following organizations respectively: Real Estate Exchange and Auction Board and Massachusetts Real Estate Exchange; Boston Society of Architects and Boston Society of Civil Engineers; Master Builders' Association and Contractors' and Builders' Association; and Building Trades Council of the Boston Central Labor Union; also one member of the Mayor's own selection. The term of office is five years. Each member is paid \$10 per day for actual service, but not more than \$1,000 in any one year.

Any applicant for a permit from the Building Commissioner whose application has been refused *in re* building law or *in re* zoning law, may appeal therefrom within ninety days, and a person who has been ordered by the Commissioner to incur any expense may, within thirty days after receiving such order, appeal to the Board of Appeal by giving notice in writing to the Commissioner. All cases of appeal are settled by this Board, after a hearing.

Appeal may also be made to this Board from certain requirements of the Commissioner of Wires.

CITY CLERK DEPARTMENT.

Office, 31 City Hall, second floor.

[Stat. 1854, Chap. 448, § 30; Stat. 1885, Chap. 266, § 2; Rev. Ord. 1898, Chap. 11; G. L., Chap. 41, §§ 12-19; C. C., Title IV., Chap. 8; Stat. 1909, Chap. 486, § 22; Rev. Ord. 1925, Chap. 11.]

WILFRED J. DOYLE, *City Clerk*. Term ends in 1932.JOHN B. HYNES, *Assistant City Clerk*.

The City Clerk is elected by the City Council for the term of three years. He has the care and custody of the records of the City Council and of all city records, documents, maps, plans and papers, except those otherwise provided for. He also records chattel mortgages, assignments of wages, liens upon vessels, issues licenses and badges to minors when so directed by the City Council, and performs other duties imposed by statute.

The City Clerk and Assistant City Clerk are, *ex officio*, Clerk and Assistant Clerk, respectively, of the City Council.

The Assistant City Clerk is appointed by the City Clerk, subject to the approval of the Mayor. By Gen. Laws, Chap. 41, §18, the certificate or attestation of the Assistant City Clerk has equal effect with that of the City Clerk.

CITY PLANNING DEPARTMENT.

Office, 30 City Hall, second floor.

[Stat. 1913, Chap. 494; Ord. 1913, Chap. 6; Rev. Ord. 1914, Chap. 12; Ord. 1915, Chap. 2; Ord. 1923, Chap. 5; Stat. 1924, Chap. 488; Stat. 1925, Chap. 333.]

OFFICIALS.

FREDERIC H. FAY, *Chairman*.

MISS ELISABETH M. HERLIHY, *Secretary*.

THE BOARD.

FREDERIC H. FAY. Term ends in 1934.

EDWARD H. HOYT. Term ends in 1933.

SIDNEY S. CONRAD. Term ends in 1932.

MISS MARY A. BARR. Term ends in 1931.

NATHAN SIDD. Term ends in 1935.

Every city and town in the State having a population of more than 10,000 is authorized and directed to create a board to be known as the Planning Board, whose duty it shall be to make careful studies of the resources, possibilities and needs of the city or town, and to make plans for the development of the municipality with special reference to the proper housing of the people. In January, 1914, an ordinance was passed establishing "The City Planning Board," consisting of five members, one of whom shall be a woman, for a term of five years, all to serve without compensation.

COLLECTING DEPARTMENT.

Office, 201 City Hall Annex, second floor.

[Stat. 1875, Chap. 176; Stat. 1885, Chap. 266; Stat. 1888, Chap. 390; Stat. 1890, Chap. 418; Rev. Ord. 1898, Chap. 14; Ord. 1908, Chap. 1; C. C., Title IV., Chap. 10; Stat. 1909, Chap. 486; Stat. 1913, Chap. 672; Rev. Ord. 1914, Chap. 13; Ord. 1914, 2d Series, Chap. 2; Spec. Stat. 1916, Chap. 291; Ord. 1921, Chap. 1; Stat. 1922, Chap. 390; Ord. 1925, Chap. 1.]

WILLIAM M. McMORROW, *City Collector*. Term ends in 1934.

The Collector collects and receives all taxes and other assessments, betterments, rates, dues and moneys payable on any account to the City of Boston or the County of Suffolk. He has the custody of all leases from, and of all tax deeds of land held by, the City. Annual reports have been published since 1876, also monthly statements. The Collector is also County Collector.

ELECTION DEPARTMENT.

Office, 111 City Hall Annex, first floor.

[Stat. 1906, Chap. 311; Stat. 1907, Chap. 560, § 78; Rev. Ord. 1898, Chap. 15; C. C., Title IV., Chap. 16; Stat. 1909, Chap. 486, §§ 53-61; Stat. 1910, Chap. 520; Stat. 1911, Chaps. 304, 469, 517, 550, 735; Stat. 1912, Chaps. 275, 471, 483, 641; Stat. 1913, Chaps. 286, 835; Stat. 1914, Chap. 730; Rev. Ord. 1914, Chap. 15; Gen. Stat. 1915, Chaps. 48, 91; Gen. Stat. 1916, Chaps. 16, 43, 81, 87, 179; Gen. Stat. 1917, Chap. 29; Gen. Stat. 1918, Chap. 74; Stat. 1920, Chaps. 129, 142; Stat. 1921, Chaps. 65, 93, 114, 209, 288, 340, 387; Ord. 1921, Chap. 7; Stat. 1924, Chaps. 311, 410, 453, 479; Stat. 1925, Chaps. 39, 136; Stat. 1926, Chap. 105.]

OFFICIALS.

PETER F. TAGUE, *Chairman*.

CHARLES T. HARDING, *Secretary*.

COMMISSIONERS.

CHARLES T. HARDING. Term ends in 1935.

HELEN A. MACDONALD. Term ends in 1934.

DANIEL H. ROSE. Term ends in 1933.

PETER F. TAGUE. Term ends in 1932.

One Election Commissioner is appointed by the Mayor each year, term beginning April 1. The two leading political parties must be equally represented on the Board and the Chairman is designated annually by the Mayor.

The Board of Registrars of Voters was appointed in May, 1874, and was succeeded July 1, 1895, by the Board of Election Commissioners.

This department exercises all the powers and duties formerly conferred upon the Board of Registrars of Voters (including the preparation of the jury list), except the power and duty of giving notice of elections and fixing the days and hours for holding the same. Chapter 311, 1924, now requires the personal appearance of all applicants for jury duty before the board for examination.

The Board also exercises all the powers and duties formerly conferred upon the City Clerk and other officers by chapter 504 of the Acts of 1894. The voting precincts in the 22 wards number 339.

FIRE DEPARTMENT.

Office, City Building, Bristol street.

[Stat. 1850, Chap. 262; Stat. 1895, Chap. 449, §§ 9-11; Rev. Ord. 1898, Chap. 17; Stat. 1909, Chap. 308; Stat. 1912, Chap. 574; Ord. 1912, Chaps. 4, 6; Ord. 1913, Chap. 1; Stat. 1913, Chap. 800; Stat. 1914, Chaps. 519, 795; Rev. Ord. 1914, Chap. 16; Ord. 1917, Chap. 4; Ord. 1919, Chap. 2; Stat. 1920, Chaps. 60, 68; Stat. 1921, Chap. 196; Stat. 1923, Chap. 309.]

EDWARD F. McLAUGHLIN, *Fire Commissioner*. Term ends in 1934.

HERBERT J. HICKEY, *Executive Secretary of the Department*.

HENRY A. FOX, *Chief of Department*.

HENRY J. POWER, *Assistant Chief*.

WALTER M. McLEAN, *Deputy Chief*.

JOHN J. KELLEY, *Deputy Chief*.

ALBERT J. CAULFIELD, *Deputy Chief*.

THOMAS H. DOWNEY, *Deputy Chief*.

FRANK A. SWEENEY, *Deputy Chief*.

WILLIAM F. QUIGLEY, *Deputy Chief*.

GEORGE L. FICKETT, *Superintendent, Fire Alarm Branch*.

WALTER J. BURKE, *Superintendent, Wire Division*.

EDWARD E. WILLIAMSON, *Superintendent of Maintenance Division*.

The Boston Fire Department was organized in 1837. It is in charge of 1 Commissioner, 1 Executive Secretary, 1 Chief of Department, 1 Assistant Chief of Department, 7 Deputy Chiefs, 30 District Chiefs, 1 Superintendent of Fire Alarm, 1 Superintendent of Maintenance, 1 Medical Examiner, 1 Supervisor of High Pressure, Steam and Marine Service, 1 Engineer of Motor Apparatus, 88 Captains, 132 Lieutenants, 1,279 Engineers, Assistant Engineers, Apparatus Operators, Masters, Aides, Hosemen and Laddermen, 22 Clerks, 17 Fire Alarm Operators, 116 mechanics, painters, carpenters, linemen, repairers, electricians and workmen.

Total officers, engineers, privates and employees (including Wire Division), 1,746.

There are 65 fire stations, a fire alarm branch with 56 employees, operating 1,576 signal boxes, and a repair shop with 116 employees. Annual reports have been published since 1838.

Yearly salaries of district chiefs, \$4,000; captains, \$2,700; lieutenants, \$2,500; apparatus operators, \$2,200; first year privates, \$1,600, with annual increase of \$100 until the maximum of \$2,100 is reached.

In 1919 the Wire Department became the Wire Division of the Fire Department. It was established in 1894 for the purpose of supervising and inspecting all electrical wires, cables and conductors and substituting underground for overhead transmission. The Wire Division is in charge of 1 Superintendent, 1 Chief Inspector, 1 Chief Clerk, 7 Clerks, 1 Engineer, 32 Inspectors, 1 Telephone Operator, 1 Stenciller, 1 Chauffeur.

A total of 46 men (included in above 1,746).

CHIEF, ASSISTANT CHIEF AND DEPUTY CHIEFS.

Chief, HENRY A. FOX. Headquarters, Bristol street.

Assistant Chief, HENRY J. POWER. Headquarters, Engine 26, Broadway.

FIRST DIVISION. In charge of *Deputy Chief* JOHN J. KELLEY. Headquarters, Ladder House 8, Fort Hill square. Districts 1 to 5, inclusive.

SECOND DIVISION. In charge of *Deputy Chiefs* WILLIAM F. QUIGLEY and THOMAS H. DOWNEY. Headquarters, Engine 22, Warren avenue. Districts 6, 7, 8, 11.

THIRD DIVISION. In charge of *Deputy Chiefs* WALTER M. McLEAN and FRANK A. SWEENEY. Headquarters, Ladder House 23, Grove Hall. Districts 9, 10, 12, 13, 14, 15.

MAINTENANCE DIVISION. EDWARD E. WILLIAMSON, *Superintendent*.

FIRE PREVENTION DIVISION, ALBERT J. CAULFIELD, *Deputy Chief in Charge*.

FIRST DIVISION.—DISTRICTS, DISTRICT CHIEFS AND APPARATUS.

- DISTRICT 1 (East Boston). THOMAS E. CONROY and NAPEEN BOUTILIER, *Dist. Chiefs*. Headquarters, Engine House 5, Marion st. *Apparatus* — Engines, Nos. 5, 9, 11, 40, 47 (fireboat); 2, 41; Ladders, 2, 21, 31.
- DIST. 2 (Charlestown). PHILIP A. TAGUE and THOMAS F. WARD, *Dist. Chiefs*. Headquarters, Engine House 50, Winthrop street. *Apparatus* — Engines, Nos. 27, 32, 36, 50; Ladders, 9, 22.
- DIST. 3 (Boston Proper and South Boston). JOHN J. KENNEY and JOHN F. GOOD, *Dist. Chiefs*. Headquarters, Ladder House 18, Pittsburgh street. *Apparatus* — Engines, Nos. 25, 38, 39 44 (fireboat); Ladders, 8, 18; Water Tower 3.
- DIST. 4 (North End). AVERY B. HOWARD and JOHN F. McDONOUGH, *Dist. Chiefs*. Headquarters, Bowdoin Square Fire Station. *Apparatus* — Engines, Nos. 4, 6, 8; fireboat, 31; Ladders, 1, 24, Rescue 3, Water Tower 1.
- DIST. 5 (Boston Proper). JOHN F. WATSON and DENNIS J. COUGHLIN, *Dist. Chiefs*. Headquarters, Engine House 26, Broadway. *Apparatus* — Engines, Nos. 7, 10, 26, 35; Ladder, 17, Rescue 1, Water Tower 2.

SECOND DIVISION — DISTRICTS, DISTRICT CHIEFS AND APPARATUS.

- DIST. 6 (South Boston). MICHAEL J. TEEHAN and EDWARD G. CHAMBERLAIN, *Dist. Chiefs*. Headquarters, Engine House 1, Dorchester st. *Apparatus* — Engines, Nos. 1, 2, 15, 43; Ladders, 5, 19, 20.
- DIST. 7 (Back Bay and South End). MICHAEL F. MINEHAN and SAMUEL J. POPE, *Dist. Chiefs*. Headquarters, Engine House 22, Warren ave. *Apparatus* — Engines, Nos. 3, 22, 33; Ladders, 3, 13, 15.
- DIST. 8 (Roxbury). LOUIS C. I. STICKEL and DANIEL MARTELL, *Dist. Chiefs*. Headquarters, Ladder House 12, Tremont st. *Apparatus* — Engines, Nos. 13, 14, 37; Ladders, 12, 26.
- DIST. 11 (Brighton). CORNELIUS J. O'BRIEN and THOMAS H. ANDREOLI, *Dist. Chiefs*. Headquarters, Engine House 41, Harvard ave. *Apparatus* — Engines, Nos. 29, 34, 41, 51; Ladders, 11, 14.

THIRD DIVISION — DISTRICTS, DISTRICT CHIEFS AND APPARATUS.

- DIST. 9 (Dorchester North and Roxbury East). WILLIAM H. McCORKLE and EDWARD J. LOCKE, *Dist. Chiefs*. Headquarters, Engine House 12, Dudley st. *Apparatus* — Engines, Nos. 12, 23, 24; Ladders 4 and 23; Rescue, 2.

- DIST. 10 (Dorchester Centre). FRANCIS J. JORDAN and CHARLES H. LONG, *Dist. Chiefs*. Headquarters, Engine House 17, Meeting House Hill. *Apparatus*.—Engines, Nos. 17, 18, 21; Ladder, 7.
- DIST. 12 (Jamaica Plain). JOSEPH W. SHEA and TIMOTHY F. DONOVAN, *Dist. Chiefs*. Headquarters, Engine House 28, Centre st. *Apparatus* — Engines, Nos. 28, 42, 53; Ladders, 10, 30.
- DIST. 13 (Roslindale and West Roxbury). PATRICK J. V. KELLEY and CHARLES A. DONAHOE, *Dist. Chiefs*. Headquarters, Engine House 45, corner Washington and Poplar sts., Roslindale. *Apparatus* — Engines, Nos. 30, 45; Ladders, 16, 25.
- DIST. 14 (Ashmont, Neponset and Lower Mills). JAMES MAHONEY and JAMES F. RYAN, *Dist. Chiefs*. Headquarters, Engine House 46, Peabody sq. *Apparatus* — Engines, Nos. 16, 20, 46, 52; Ladders, 6, 27, 29.
- DIST. 15 (Hyde Park and Mattapan). JOHN P. MURRAY and MICHAEL D. SULLIVAN, *Dist. Chiefs*. Headquarters, Engine House 48, corner Harvard ave. and Winthrop st., Hyde Park. *Apparatus* — Engines, Nos. 19, 48, 49; Ladder, 28.

FIRE-ENGINES.

NUMBER, ETC.	Location.
1 (Auto combination).....	Dorchester st., cor. Fourth, S. Boston.
2 (Auto combination).....	Fourth street, cor. O, S. Boston.
3 (Auto combination).....	Harrison avenue, cor. Bristol street.
4 (Auto combination).....	Bowdoin Square.
5 (Auto combination).....	Marion street, East Boston.
6 (Auto combination).....	Powdoin Square.
7 (Auto combination).....	East street.
8 (Auto combination).....	Salem street.
9 (Auto combination).....	Paris street, East Boston.
10 (Auto combination).....	Mt. Vernon street, cor. River street.
11 (Auto combination).....	Cor. Saratoga and Byron streets, E. B.
12 (Auto combination).....	Dudley street, Roxbury.
13 (Auto combination).....	Cabot street, Roxbury.
14 (Auto combination).....	Centre street, Roxbury.
15 (Auto combination).....	Cor. Broadway and Dorchester ave.
16 (Auto combination).....	River street, Dorchester.
17 (Auto combination).....	Meeting House Hill, Dorchester.
18 (Auto combination).....	Harvard street, Dorchester.
19 (Auto combination).....	Babson street, Dorchester.
20 (Auto combination).....	Walnut street, Dorchester.
21 (Auto combination).....	Columbia road, Dorchester.
22 (Auto combination).....	Warren avenue.
23 (Auto combination).....	Northampton street.
24 (Auto combination).....	Cor. Warren and Quincy streets.
25 (Auto combination).....	Fort Hill square.
26 (Auto combination).....	Broadway.
27 (Auto combination).....	Elm street, Charlestown.
28 (Auto combination).....	Centre street, Jamaica Plain.
29 (Auto combination).....	Chestnut Hill avenue, Brighton.
30 (Auto combination).....	Centre street, West Roxbury.

FIRE-ENGINES.— *Concluded.*

NUMBER, ETC.	Location.
31 (Fireboat).....	521 Commercial street.
32 (Auto combination).....	Bunker Hill street, Charlestown.
33 (Auto combination).....	Boylston and Hereford streets.
34 (Auto combination).....	Western avenue, Brighton.
35 (Auto combination).....	Broadway.
36 (Auto combination).....	Monument street, Charlestown.
37 (Auto combination).....	Longwood and Brookline avenues.
38 and 39 (Auto combination).....	Congress street, South Boston.
40 (Auto combination).....	Sumner street, East Boston.
41 (Auto combination).....	Harvard avenue, Brighton.
42 (Auto combination).....	Egleston square.
43 (Auto combination).....	Andrew square, South Boston.
44 (Fireboat).....	Northern avenue.
45 (Auto combination).....	Poplar street, Roslindale.
46 (Auto combination).....	Dorchester avenue, Ashmont.
47 (Fireboat).....	East Boston.
48 (Auto combination).....	Harvard ave. and Winthrop st., H. P.
49 (Auto combination).....	Milton and Hamilton sts., Readville.
50 (Auto combination).....	Winthrop street, Charlestown.
51 (Auto combination).....	Oak square, Brighton.
52 (Auto combination).....	Callender and Lyons sts., Dorchester.
53 (Auto combination).....	Walk Hill and Wenham streets, Forest Hills.

NOTE.— The “Auto combination” is a gasolene pumping engine, and hose reel combined in one automobile. Three engines include a chemical tank, making a triple combination.

LADDER TRUCKS.

NUMBER, ETC.	Location.
1 (Aerial, with tractor).....	Friend street, Warren square.
2 (Aerial, with tractor).....	Paris street, East Boston.
3 (Aerial, with tractor).....	Harrison avenue, cor. Bristol street.
4 (Aerial, with tractor).....	Dudley street, cor. Winslow, Roxbury.
5 (Aerial, with tractor).....	Fourth street, near Dorchester street.
6 (Motor truck).....	River street, cor. Temple, Dorchester.
7 (Aerial, with tractor).....	Meeting House Hill, Dorchester.
8 (Aerial, with tractor).....	Fort Hill square.
9 (Aerial, with tractor).....	331 Main street, Charlestown.
10 (Aerial, with tractor).....	659 Centre street, Jamaica Plain.
11 (Aerial, with tractor).....	Chestnut Hill avenue, Brighton.
12 (Aerial, with tractor).....	1046 Tremont street, Roxbury.
13 (Aerial, with tractor).....	Warren avenue.
14 (Aerial, with tractor).....	Harvard avenue, Allston.
15 (Aerial, with tractor).....	Boylston street, cor. Hereford.
16 (Motor truck).....	Poplar street, Roslindale.
17 (Aerial, with tractor).....	157 Harrison avenue.

LADDER TRUCKS.— *Concluded.*

NUMBER, ETC.	Location.
18 (Aerial, with tractor).....	Pittsburgh street.
19 (Motor truck).....	E. Fourth street, near K, S. Boston.
20 (Aerial, with tractor).....	Andrew square, South Boston.
21 (Motor truck).....	Saratoga and Byron streets, E. B.
22 (Aerial, with tractor).....	44 Monument street, Charlestown.
23 (Aerial, with tractor).....	Grove Hall, Dorchester.
24 (Aerial, with tractor).....	Bowdoin Square.
25 (Motor truck).....	Centre street, near Bellevue, West Roxbury.
26 (Aerial, with tractor).....	Longwood and Brookline avenues.
27 (Motor truck).....	Walnut street, Dorchester.
28 (Motor truck).....	Harvard ave. and Winthrop st., H. P.
29 (Motor truck with chemical),	Callender and Lyons streets, Dor.
30 (Motor aerial truck with chem- ical).....	Egleston square, Roxbury.
31 (Motor truck).....	Saratoga street, cor. Prescott, East Boston.

WATER TOWERS.

NUMBER, ETC.	Location.
WATER TOWERS, ETC.	
1 (With tractor).....	Bowdoin Square.
2 (With tractor).....	Broadway.
3 (With tractor).....	Pittsburgh street.
1 Motor Rescue car.....	Broadway.
2 Motor Rescue car.....	Dudley street.
3 Motor Rescue car.....	Bowdoin Square.

TOTAL EQUIPMENT IN USE AND IN RESERVE.

In Use: Auto combination gasolene engines, 47; triple combination gasolene engines, 3; marine pumpers or fireboats, 3; total engines, 53; combination chemical and hose cars, 48; auto ladder trucks, 31 (22); auto water towers, 3; officers' cars, 33; auto delivery trucks, 17; three rescue companies with pulmotors, etc., one auto wrecker, 2 lighting plant trucks, total automobiles, 188, of which 141 are apparatus; salt wagons, 15, hose and other pungs, 65. Leading hose and suction hose, about 187,771 feet.

In Reserve: Auto gasolene engines, 8; auto chemical and hose cars, 8; auto ladder trucks, 10; one auto water tower, 8 officers' cars, 1 delivery truck.

BOSTON FIREMEN'S RELIEF FUND.

By Chapter 308, Acts of 1909, amended by Chapter 134, Acts of 1911, the Fire Commissioner and 12 members of the Fire Department, to be

elected annually by all the members, are constituted a corporate body for the purpose of holding and administering the Firemen's Relief Fund.

HEALTH DEPARTMENT.

Main office, 1108, City Hall Annex, eleventh floor.

[Stat. 1854, Chap. 448, § 40; Stat. 1895, Chap. 449, § 19; Rev. Ord. 1898, Chap. 18; C. C. Title IV., Chap., 19; Stat. 1902, Chaps. 206, 213; Stat. 1906, Chap. 225; Stat. 1907, Chaps. 386, 445, 480; Stat. 1908, Chaps. 329, 411; Stat. 1909, Chap. 380; Stat. 1910, Chaps. 269, 640; Stat. 1911, Chap. 287; Stat. 1912, Chaps. 448, 486; Stat. 1913; Chap. 586; Stat. 1914, Chaps. 627, 628; Rev. Ord. 1914, Chaps. 17, 40; Ord. 1914, 2d Series, Chap. 1; Ord. 1915, Chap. 1; Spec. Stat. 1915, Chap. 346; Ord. 1915, Chaps. 3 and 4; Spec. Stat. 1919, Chap. 163; Stat. 1920, Chap. 100; Stat. 1921, Chaps. 94, 111; Stat. 1922, Chap. 61; Ord. 1926, Chap. 3. Ord. 1931, Chap. 2.]

OFFICIALS.

FRANCIS X. MAHONEY, *Health Commissioner*. Term ends in 1934.

JOSEPH A. CAHALAN, *Secretary and Chief Clerk*.

DEPUTY COMMISSIONERS.

M. VICTOR SAFFORD, M. D., *Medical Division*.

FREDERICK J. BAILEY, M. D., *Communicable Diseases Division*.

KARL R. BAILEY, M. D., *Laboratory Division*.

GEORGE T. O'DONNELL, M. D., *Tuberculosis Division*.

CHARLES F. WILINSKY, *Child Hygiene Division and Director of Health Units*

THOMAS J. DONNELLON, *Sanitary Division*.

PATRICK H. MULLOWNEY, M. D. V., *Food Division*.

JOSEPH W. MONAHAN, *Vital Statistics Division*.

OTHER SUPERVISING OFFICERS.

ROBERT E. DYER, D. V. S., *Veterinarian in charge of Dairy Division*.

FRANK E. MOTT, *Milk Inspector*.

ALEXANDER R. BURR, M. D. V., *Veterinarian in charge of Abattoir Division*.

HAZEL WEDGWOOD, R. N., *Director, Nursing Service*.

The first Board of Health in Boston was established in 1799, under the special statute of February 13, 1799. It was abolished by the first City Charter and from 1822 to 1873 its functions were exercised through the City Council. The last Board of Health was established by an ordinance of December 2, 1872. It published annual reports, beginning with 1873. By Chap. 1, Ord. 1914, 2d Series, the department was placed in charge of one executive, the Health Commissioner, who appoints the deputy commissioners. Chap. 1, Ord. 1915, provided that the quarantine

service should pass from the control of the Health Dept. when the property was leased to the United States, in effect June 1, 1915.

On Oct. 26, 1926, the Conservation Bureau of the City of Boston (Sec. 5, Chap. 18, 1926) was abolished, and instead there was created a Conservation Division within the Health Department. March 31, 1927, Ordinance enacted abolishing the Boston Sanatorium Department and placing the Tuberculosis Hospital at Mattapan under the jurisdiction of the Trustees of the Boston City Hospital; all other powers and duties and the Out-patient Department were transferred to the Health Commissioner. Chap. 1 of Ordinance of 1927 amended Feb. 16, 1931.

HOSPITAL DEPARTMENT.

Office at the Boston City Hospital, 818 Harrison avenue.

[Stat. 1880, Chap. 174; Stat. 1893, Chap. 91; Rev. Ord. 1914, Chap. 18, C. C., Title IV., Chap. 20; Spec. Stat. 1915, Chap. 34; Stat. 1922, Chap. 521, § § 18, 19; Stat. 1924, Chap. 70.]

OFFICIALS.

JOSEPH P. MANNING, *President*.

HENRY S. ROWEN, M.D., *Secretary*.

TRUSTEES.*

JOSEPH P. MANNING. Term ends in 1931.

HENRY S. ROWEN, M.D. Term ends in 1932.

GEORGE G. SEARS, M.D. Term ends in 1933.

KARL ADAMS. Term ends in 1934.

CARL DREYFUS. Term ends in 1935.

The Boston City Hospital was opened on June 1, 1864. Besides the Main Hospital, the Trustees have charge of the South Department for contagious diseases, the Sanatorium Division at 249 River street, Mattapan, for tuberculous patients, the Convalescent Home at 2150 Dorchester avenue, Dorchester, the Haymarket Square Relief Station, the East Boston Relief Station, and the West Department, West Roxbury (recently returned by United States Government and not yet in running condition).

The Trustees are incorporated and authorized to receive and hold real and personal estate bequeathed or devised to said hospital corporation to an amount not exceeding \$1,000,000.

HOSPITAL OFFICERS.

JOHN J. DOWLING, M. D.—*Superintendent and Medical Director*. Residence and office at the Hospital.

* The Trustees serve without compensation.

- CHARLES H. PELTON, M. D.— *Assistant Superintendent.*
 JAMES W. MANARY, M. D.— *Executive Director of Out-Patient Department.*
 FRANCIS S. BRODERICK, M. D.— *Executive Assistant.*
 M. WINTHROP O'CONNELL, M. D.— *Executive Assistant.*
 CHARLES A. GALLIGAN, M. D.— *Executive Assistant.*
 SAMUEL SIDELL, M. D.— *Executive Assistant.*
 DANIEL J. MCSWEENEY, M. D.— *Night Executive Assistant.*
 CHARLES A. KNOWLES, M. D.— *Resident Surgeon—House.*
 LEWIS R. DRETTLER, M. D.— *Assistant Resident Surgeon—House.*
 J. WILLIAM BURKE, M. D.— *Resident Surgeon Out-Patient Department.*
 F. B. MALLORY, M. D.— *Pathologist.*
 GEORGE R. MINOT, M. D.— *Director of Thorndike Memorial Laboratory,*
 Director of Second and Fourth Medical Services.
 SOMA WEISS, M. D.— *Associate Physician and Assistant Director of Thorn-*
 dike Memorial Laboratory.
 P. F. BUTLER, M. D.— *Roentgenologist-in-Chief.*
 DONALD C. HOFFMAN, M. D.— *Director of Clinical Laboratories.*
 STEPHEN J. MADDOCK, M. D.— *Director of Surgical Research.*

MEDICAL AND SURGICAL STAFF.

Consulting Physicians and Surgeons.— Abner Post, M. D., Hayward W. Cushing, M. D., Francis S. Watson, M. D., George H. Monks, M. D., Elliott P. Joslin, M. D., Henry Jackson, M. D., George G. Sears, M. D., John Bapst Blake, M. D., Paul Thorndike, M. D., John L. Ames, M. D., Fred B. Lund, M. D., Joshua C. Hubbard, M. D., Nathaniel R. Mason, M. D.

Consulting Pathologists.— William T. Councilman, M. D., Frank B. Mallory, M. D.

Consultant in Tropical Diseases.— Richard P. Strong, M. D.

Consultant in Ophthalmology.— Allen Greenwood, M. D.

Consulting Aural Surgeon.— Rockwell A. Coffin, M. D.

Consulting Physician in Neurology.— Arthur W. Fairbanks, M. D., John J. Thomas, M. D.

Curator of the Hospital Museum.— Dwight O Hara, M. D.

Senior Physician.— Francis H. Williams, M. D.

Visiting Physicians.— William H. Robey, M. D., Ralph C. Larrabee, M. D., Franklin W. White, M. D., Edwin A. Locke, M. D., George R. Minot, M. D., Francis W. Palfrey, M. D., Cadis Phipps, M. D., Harold W. Dana, M. D.

Assistant Visiting Physicians.— Thomas J. O'Brien, M. D., William R. Ohler, M. D., Edmund F. Walsh, M. D.

Junior Visiting Physicians.— Joseph M. Lynch, M. D., Joseph E. Hallisey, M. D., John A. Foley, M. D., George C. Shattuck, M. D., Louis J. Ullian, M. D., Dwight O Hara, M. D., Henry Jackson, Jr., M. D., Frank S. Cruickshank, M. D., Daniel J. Hogan, M. D., Louis F. Curran, M. D., Percy B. Davidson, M. D., Henry Baker, M. D., George P. Reynolds, M. D., James M. Faulkner, M. D., William B. Stevens, M. D., Nathan Sidel,

M. D., William T. O Halloran, M. D., Soma Weiss, M. D., James C. Healy, M. D., Greene Fitzhugh, M. D., Norman A. Welch, M. D., Richard P. Stetson, M. D., Bernard I. Goldberg, M. D., Laurence B. Ellis, M. D., Theodore L. Badger, M. D.

Senior Surgeon.—George W. Gay, M. D.

Surgeon-in-Chief.—Frederic J. Cotton, M. D., David D. Scannell, M. D., Horace Binney, M. D., Halsey B. Loder, M. D., Irving J. Walker, M. D., Arthur R. Kimpton, M. D.

Visiting Surgeons.—Robert C. Cochrane, M. D., Otto J. Hermann, M. D., Somers Fraser, M. D., Francis F. Henderson, M. D., James J. Hepburn, M. D., Joseph H. Shortell, M. D.

Assistant Visiting Surgeons.—William R. Morrison, M. D., Edward Harding, M. D., Thomas K. Richards, M. D., Thomas W. Wickham, M. D., George W. Papen, M. D., Charles C. Lund, M. D.

Junior Visiting Surgeons.—Joseph H. Burnett, M. D., E. Everett O'Neil, M. D., William D. Cotting, M. D., John J. Lucy, M. D., Howard A. Bouvé, M. D.

Assistants to Visiting Surgeons.—John A. Seth, M. D., Richard I. Smith, M. D., Newton C. Browder, M. D., William A. White, Jr., M. D., Allan L. Davis, M. D., Daniel J. Duggan, M. D., Winchester W. Everett, M. D., Russell Sullivan, M. D.

Associate Surgeons.—Mark H. Rogers, M. D., James W. Sever, M. D.

Surgeons-in-Chief for Gynecology and Obstetrics.—Robert M. Green, M. D., John T. Williams, M. D.

Visiting Surgeons for Gynecology and Obstetrics.—Frederick L. Good, M. D., Joseph P. Cohen, M. D.

Assistant Visiting Surgeons for Gynecology and Obstetrics.—Harold V. Hyde, M. D., Frederick J. Lynch, M. D., Reginald D. Margeson, M. D., Abraham S. Troupin, M. D.

Junior Visiting Surgeons for Gynecology and Obstetrics.—Carmi R. Alden, M. D., G. Elliott May, M. D., William J. McDonald M. D., Benedict F. Boland, M. D.

Assistants to Visiting Surgeons for Gynecology and Obstetrics.—Emilio D'Errico, M. D., Kenneth G. Farnsworth, M. D., Daniel J. McSweeney, M. D., Benjamin Tenney, Jr., M. D.

Visiting Surgeon for Urology.—Herbert H. Howard, M. D.

Assistant Visiting Surgeon for Urology.—Augustus Riley, M. D.

Visiting Surgeon for Neuro-Surgery.—Donald Munro, M. D.

Associate in Neuro-Surgery.—Tracy J. Putnam, M. D.

Ophthalmic Surgeon-in-Chief.—Jeremiah J. Corbett, M. D.

Assistant Visiting Ophthalmic Surgeons.—Harry Schwartzman, M. D., Thomas J. Hagan, M. D., Robert W. French, M. D., Joseph H. McLaughlin, James M. Ward, M. D.

Surgeon-in-Chief for Diseases of Ear and Throat.—Harry P. Cahill, M. D.

Visiting Surgeon for Diseases of Ear and Throat.—Louis M. Freedman, M. D.

Visiting Surgeon for Oral and Plastic Surgery.—Varaztad H. Kazanjian, M. D.

Assistant Visiting Surgeons for Diseases of Ear and Throat.—Edward J. Monahan, M. D., Philip E. A. Sheridan, M.D.

Junior Visiting Surgeons for Diseases of Ear and Throat.—William F. Regan, M.D., Philip R. Dwyer, M.D., Chester R. Mills, M.D., Francis G. Minter, M.D., Fred Heimlich, M.D., Charles W. DeWolf, M.D., Philip G. Berman, M.D., Vincent J. Kelley, M.D., James P. Tierney, M.D.

Oral Surgeon-in-Chief.—Stephen P. Mallett, D.M.D.

Visiting Oral Surgeons.—William H. Canavan, D.M.D., Thomas Hennessey, D.M.D.

Assistant Visiting Oral Surgeons.—Douglass M. Baker, D.M.D., George F. Winchester, D.M.D., Austin T. Williams, D.M.D., W. Harry Gullifer, M.D.

Visiting Anesthetists.—Frank L. Richardson, M.D., Nathaniel N. Morse, M.D.

Assisting Visiting Anesthetists.—William A. Noonan, M.D., Sidney C. Wiggin, M.D.

Visiting Neurologists.—Stanley Cobb, M.D., Abraham Myerson, M.D.

Assistant Visiting Neurologists.—Miner H. A. Evans, M.D., Frank Fremont-Smith, M.D.

Junior Visiting Neurologists.—Maxwell E. MacDonald, M.D., William G. Lennox, M.D., Tracy J. Putnam, M.D., William Herman, M.D., W. Haurton Merritt, M.D.

Neuropathologist.—L. Raymond, Morrison.

Research Associates in Neurology.—Henry S. Forbes, M.D., Mary E. Dailey, M.D.

Physician-in-Chief for Physical Therapeutics.—Joseph Resnik, M.D.

Visiting Physicians for Physical Therapeutics.—William D. McFee, M.D., Girdie W. Dickinson, M.D., Arthur J. Cole, M.D.

Physician-in-Chief for Diseases of the Skin.—William S. Boardman, M.D.

Visiting Physician for Diseases of the Skin.—Walter P. Garfield, M.D.

Assistant Visiting Physicians for Diseases of the Skin.—John G. Downing, M.D., Bernard Appel, M.D., Francis C. McCarthy, M.D.

Physician-in-Chief for Contagious Diseases.—Edwin H. Place, M.D.

Ræntgenologist-in-Chief.—P. F. Butler, M.D.

Visiting Ræntgenologists.—Max Ritvo, M.D., Frederick W. O'Brien, M.D., Albert M. Moloney, M.D.

Physician-in-Chief for Immunology.—George P. Sanborn, M.D.

Assistant Visiting Physicians for Immunology.—Edmund F. Walsh, M. D., Samuel M. Pearl, M.D.

Pediatrician-in-Chief.—Martin J. English, M.D.

Visiting Pediatricians.—Augustine W. McGarry, M.D., Eli Friedman, M.D.

Assistant Visiting Pediatrician.—John J. Dunphy, M.D.

Junior Visiting Pediatricians.—George Kahn, M.D., John P. Treanor, Jr., M.D., James W. Redmond, M.D., Abraham N. Caplan, M.D.

SOUTH DEPARTMENT.

Medical Director.— John J. Dowling, M.D.

Physician-in-Chief.— Edwin H. Place, M.D.

Assistant Physicians.— Morris Prizer, M.D., Samuel H. Segool, M.D.,
Pembroke N. MacDermott, M.D.

SANATORIUM DIVISION.

Assistant Superintendent.— John F. O'Brien, M.D.

VISITING MEDICAL STAFF.

Chief of Staff.— Edwin A. Locke, M.D.

First Assistant Physician.— Timothy J. Murphy, M.D.

Surgical Assistant.— Albert Ehrenfried, M.D.

Visiting Laryngologist.— Samuel Cline, M.D.

Visiting Ophthalmologist.— Joseph H. McLaughlin, M.D.

Roentgenologist.— Frederick W. O'Brien, M.D.

Visiting Dental Surgeon.— Frederick A. Keyes, D.M.D.

Pathologist.— Thomas T. Walker, M.D.

RESIDENT MEDICAL STAFF.

Resident Medical Officer.— Frank H. Hunt, M.D.

First Assistant Resident Medical Officer.— Benedict Ramin, M.D.

Assistant Resident Medical Officer.— Leo B. Burgin, M.D.

Assistant Resident Medical Officer.— Francis J. Moran, M.D.

Assistant Resident Medical Officer.— Irving W. Schiller, M.D.

Assistant Resident Medical Officer.— Arthur Geiger, M.D.

Assistant Resident Medical Officer.— E. S. Miller, M.D.

Assistant Resident Medical Officer.— Samuel Sniderman, M.D.

HAYMARKET SQUARE RELIEF STATION.

Resident Surgeons.— Bernard F. Devine, M.D., George Robbins, M.D.

EAST BOSTON RELIEF STATION.

Resident Surgeons.— Arthur G. Holland, M.D., James V. Sacchetti, M.D.

PHYSICIANS TO THE CONVALESCENT HOME.

John P. Treanor, M.D.

Joseph J. O'Brien, M.D.

THE BOSTON CITY HOSPITAL.

During the past ten years, the following new buildings have been added to those of The Boston City Hospital:

1923. Thorndike Memorial Laboratory and Ward.

1924. New Out-Patient Building.

1924. Alterations to Wards F, G and H.

1926. Special Laboratory and Animal House.

1926 to present. Additions and Alterations to Power Plant.

1927. Gynecological and Obstetrical Building.

1927. New Wing to Nurses' Homes.

- 1928. New Surgical Building.
- 1929. New House Officers' Residence.
- 1930. New Medical Pavilion.
- 1930. Film Storage Building.
- 1930-1931. Remodeling Buildings at South Department.
- 1931. Administration Building.

Since the Sanatorium Division became a department of The Boston City Hospital, the following buildings have been erected:

- 1929. Open-Air Ward Building for Men and one for Women.
- 1930. Nurses' Home.
- 1930. Admission Building.
- 1931. Kitchen and Dining Room Building.
- 1931. Power Plant.

INSTITUTIONS DEPARTMENT.

Office, 808-811 City Hall Annex.

[Special Stat. 1919, Chap. 222; Ord. 1920, Chap. 7; Stat. 1921, Chap. 173; Stat. 1922, Chap. 231; Ord. 1924, Chaps. 9, 10.]

JAMES E. MAGUIRE, *Commissioner*. Term ends in 1934.

MARY ALMA COTTER, *Deputy Commissioner*.

HENRY A. HIGGINS, *Superintendent of Long Island Hospital*.

CHARLES F. GAYNOR, *Registrar*.

The Department has charge of the Long Island Hospital, the Child Welfare and the Registration Divisions.

The Long Island Hospital furnishes full support to poor persons having a legal settlement in Boston, also hospital care and treatment for those afflicted with chronic illness. In 1930 a total of 2,424 persons received aid. The department controls about 167 acres and buildings on Long Island valued at upwards of \$2,000,000. The steamer "George A. Hibbard" and launch "James J. Minot" are maintained for transportation service.

The Child Welfare Division, 808 City Hall Annex, has charge of dependent children and those committed through the Court as neglected. They are placed under careful supervision in foster homes within the Commonwealth of Massachusetts. January 1, 1931, the division had 1,211 children in its care, was using 15 different institutions for medical care or special training and 591 foster homes.

The Registration Division, Room 5, City Hall, receives and investigates applications for care of dependents, determines legal settlements, and supervises the commitment of the insane.

The department has under its control Rainsford Island, comprising about 11 acres with buildings thereon formerly occupied by Suffolk School for Boys, and approximately 502,939 square feet of land and buildings on Parker Hill, part of property purchased in 1923-1926 as a site for a chronic hospital.

LAW DEPARTMENT.

Office, 11 Beacon Street.

[Ord. 1904, Chap. 23; Rev. Ord. 1925, Chap. 19.]

SAMUEL SILVERMAN, *Corporation Counsel*. Term ends January, 1934.JOSEPH P. LYONS, *Assistant Corporation Counsel*.JOSEPH A. CAMPBELL, *Assistant Corporation Counsel*.ANDREW J. CASEY, *Assistant Corporation Counsel*.H. MURRAY PAKULSKI, *Assistant Corporation Counsel*.HENRY E. LAWLER, *Assistant Corporation Counsel*.JULIAN D. RAINEY, *Assistant Corporation Counsel*.CHARLES E. LEONARDI, *Assistant Corporation Counsel*.MARY A. COSTELLO, *Assistant Corporation Counsel*.HALE POWER, *Assistant Corporation Counsel*.J. BURKE SULLIVAN, *Assistant Corporation Counsel*.WALTER J. O'MALLEY, *City Conveyancer*.JAMES G. WOLFF, *City Conveyancer*.GEORGE R. JONES, *City Conveyancer*.JOHN A. BRENNAN, *City Conveyancer*.THOMAS H. BILODEAU, *Legislative Counsel*.EDWARD D. COLLINS, *Legislative Counsel*.DANIEL B. CARMODY, *Clerk of Department*.MARGARET G. O'NEILL, *Secretary*.

The office of "Attorney and Solicitor" was established in 1827; the office of Corporation Counsel and that of City Solicitor in 1881. The office of City Solicitor was abolished and the department placed under the sole charge of the Corporation Counsel in 1904.

As now organized the Law Department consists of a Corporation Counsel and fourteen assistants, four of whom are detailed to do the conveyancing work of the department. One member of the department acts as advisor to the Transit Department and one member as advisor to the Building Department. In addition the department has two legislative counsel. The department, in addition to prosecuting and defending all law suits and causes for and against the City and County, also does the conveyancing work for the various municipal departments.

Legal opinions are furnished to the various department heads and city officials, including the School Committee, on matters relating to the discharge of their official duties. This department appears and represents the City and County before the various committees of the Legislature and other public boards and commissions.

LIBRARY DEPARTMENT.

Office, Central Library Building, Copley Square.

[Stat. 1878, Chap. 114; Rev. Ord. 1898, Chap. 24; C. C., Title IV., Chap. 23; Rev. Ord. 1914, Chap. 21; Spec. Stat. 1919, Chap. 116.]

OFFICIALS.

FRANK W. BUXTON, *President*.

ARTHUR T. CONNOLLY, *Vice-President*.

CHARLES F. D. BELDEN, *Director*.

THEODORE D. MONEY, *Assistant Librarian*.

TRUSTEES.*

GORDON ABBOTT. Term ends in 1931.

FRANK W. BUXTON. Term ends in 1935.

ARTHUR T. CONNOLLY. Term ends in 1932.

LOUIS E. KIRSTEIN. Term ends in 1934.

ELLERY SEDGWICK. Term ends in 1933.

The Trustees of the Public Library of the City of Boston, five in number, are appointed by the Mayor, one each year, for a term of five years. They were incorporated in 1878, and authorized to receive and hold real and personal estate to an amount not exceeding \$1,000,000. This amount was changed to \$10,000,000 in 1919. The first Trustees were appointed under an ordinance of October 14, 1852. The old Library Building on Boylston street was opened to the public in September, 1858, and closed, finally in January, 1895. The Central Library Building on Copley square costing \$2,756,384, was first opened on March 11, 1895. The Library is maintained by an annual appropriation included in the regular budget of the City Government. Of this appropriation (\$1,171,544 in 1930) \$163,719 was used for the purchase of books and periodicals. The Library trust funds in the custody of the City Treasurer amounted to \$771,048.94 on January 1, 1931.

The annual reports, the first of which appeared in 1852, have been continued without interruption.

LIBRARY SYSTEM.

The Library system consists of the Central Library in Copley square, the Kirstein Memorial Library at 20 City Hall avenue, and thirty-two branch libraries with independent collections of books. There were, on January 1, 1931, in the entire Library system, including mechanical departments, about 600 employees.

Besides the daily delivery of books called for at the various branches, 175 public and parochial schools and institutions and 45 fire-company houses are regularly supplied.

For reading and reference the Library is open to all without formality. On January 1, 1931, there were 160,201 cardholders having the right to draw books for home use. The total number of volumes was 1,526,951 including newspapers and periodicals. Books issued in 1930, for home use and for use through schools and institutions, numbered 4,133,459.

* The Trustees serve without compensation.

CENTRAL LIBRARY, COPLEY SQUARE.

Lending and reference, 1,079,170 volumes.

Periodical reading-rooms, 1,614 periodicals.

Newspaper reading-room, 250 current newspapers.

Patent Library, 12,154 volumes.

Bates Hall for reading and reference. About 10,000 volumes are on open shelves.

Other Activities. The Fine Arts Department has facilities for copying and photographing, a collection of photographs of architecture, sculpture and painting, numbering 111,005 (including process pictures), besides illustrated books, portfolios, etc., and 16,045 lantern slides. Special assistance is offered to classes, travel clubs, etc. Free lectures mostly on art and travel topics, and concerts, are given during the winter season. The room for younger readers has about 10,000 volumes on open shelves for reading and circulation. A Teachers' Reference Room is maintained, and reference books are reserved for use in connection with University Extension courses. Story telling for children is regularly conducted under expert direction at the Central Library and principal branches. On the ground floor of the Central Library near the main entrance are three rooms, wherein is provided a community and general information service, and on open shelves, a classified collection of general literature for circulation, consisting of about 2,500 volumes. The Library is open from 9 a. m. to 10 p. m.; Sundays from 12 m. to 10 p. m.; closed at 9 p. m. from June 15 to September 15.

BUSINESS LIBRARIES.

The Kirstein Memorial Library at 20 City Hall Avenue, was opened in 1930. It contains a carefully selected collection of books on business and allied subjects, and is conducted with a view to serving the business interests of Boston.

Through an agreement with Harvard University, the Baker Library of the Harvard Graduate School of Business Administration has been made a Branch of the Boston Public Library system. This Library's collection of business material, including the collection of the Business Historical Association, is freely open to the public for reference. Hours: 8.30 a. m. to 10 p. m. on week days; 1 to 10 p. m. on Sundays.

BRANCH LIBRARIES.

The 32 branch libraries are open on week days from 9 a. m. to 9 p. m., with some variation of hours in summer. Most of them are open on Sundays, from 2 to 9 p. m., November through April.

ALLSTON BRANCH, 9,298 volumes, 49 periodicals. 161 Harvard avenue.

ANDREW SQUARE BRANCH, 8,809 volumes, 38 periodicals. 394 Dorchester street.

BOYLSTON BRANCH, 8,558 volumes, 43 periodicals. 160 Lamartine street.

BRIGHTON BRANCH, 20,757 volumes, 73 periodicals. Holton Library Building, Academy Hill road.

CHARLESTOWN BRANCH, 16,337 volumes, 58 periodicals. 43 Monument square, corner Monument avenue.

CITY POINT BRANCH, 9,360 volumes, 40 periodicals. 533 Broadway.

CODMAN SQUARE BRANCH, 15,119 volumes, 65 periodicals. Washington, corner Norfolk street.

DORCHESTER BRANCH, 14,456 volumes, 51 periodicals. Arcadia, corner Adams street.

EAST BOSTON BRANCH, 22,749 volumes, 66 periodicals. 276 Meridian street.

FANEUIL BRANCH, 9,143 volumes, 41 periodicals. 100 Brooks street.

FELLOWES ATHENÆUM BRANCH, 39,288 volumes, 59 periodicals. 46 Millmont street.

HYDE PARK BRANCH, 31,259 volumes, 56 periodicals. Harvard avenue, corner Winthrop street.

JAMAICA PLAIN BRANCH, 18,476 volumes, 58 periodicals. Sedgwick, corner South street.

JEFFRIES POINT BRANCH, 6,135 volumes, 24 periodicals. 195 Webster street.

KIRSTEIN MEMORIAL LIBRARY (General Branch): 3,849 volumes, 43 periodicals. 20 City Hall avenue (third floor).

LOWER MILLS BRANCH, 5,865 volumes, 39 periodicals. Washington, corner Richmond street.

MATTAPAN BRANCH, 12,051 volumes, 45 periodicals. 7 Babson street.

MEMORIAL BRANCH, 17,722 volumes, 63 periodicals. Townsend, corner Warren street.

MT. BOWDOIN BRANCH, 11,692 volumes, 49 periodicals. 275 Washington street.

MT. PLEASANT BRANCH, 6,876 volumes, 32 periodicals. 335 Dudley street.

NEPONSET BRANCH, 6,151 volumes, 34 periodicals. 362 Neponset avenue.

NORTH END BRANCH, 13,229 volumes, 48 periodicals. 3A North Bennet street.

ORIENT HEIGHTS BRANCH, 6,830 volumes, 29 periodicals. 5 Butler street.

PARKER HILL BRANCH, 7,019 volumes, 34 periodicals. 1518 Tremont street.

ROSLINDALE BRANCH, 12,880 volumes, 57 periodicals. Washington street, corner Cummins Highway.

ROXBURY CROSSING BRANCH, 5,806 volumes, 46 periodicals. 208 Ruggles street.

SOUTH BOSTON BRANCH, 22,434 volumes, 67 periodicals. 372 West Broadway.

SOUTH END BRANCH, 13,273 volumes, 56 periodicals. 65 West Brookline street, corner Shawmut avenue.

TYLER STREET BRANCH, 7,047 volumes, 41 periodicals. Tyler, corner Oak street.

UPHAMS CORNER BRANCH, 15,100 volumes, 60 periodicals. 500 Columbia road, corner Bird street.

WEST END BRANCH, 22,242 volumes, 72 periodicals. 131 Cambridge street, corner Lynde street.

WEST ROXBURY BRANCH, 19,963 volumes, 66 periodicals. 1961 Centre street.

MARKET DEPARTMENT.

Office in Rotunda of Faneuil Hall Market.

[Rev. Ord. 1898 (now Rev. Ord. 1914), Chap. 1, § 4, tenth to twelfth; Rev. Ord. 1914, Chap. 22 and Chap. 40, §§ 29-34; Stat. 1895, Chap. 449, § 26; Ord. 1923, Chap. 6.]

AMBROSE E. WOODS, *Superintendent of Markets*. Term ends in 1934.

PETER J. CONNOLLY, *Clerk and Deputy Superintendent*.

Faneuil Hall Market, proposed by Mayor Quincy and completed during his administration in 1826, was under the charge of a Clerk of the Market, until an ordinance of September 9, 1852, established the office of Superintendent. Faneuil Hall Market includes the lower floor, porches and cellar of the buildings called respectively Faneuil Hall and Quincy Market.

The Superintendent of Markets may assign stands within their limits; and it is his duty, from time to time, to lease the stalls in the markets at rents not less than those established by the City Council. The market police are appointed by the Police Commissioner and under his control.

OVERSEERS OF THE PUBLIC WELFARE.

[FORMERLY OVERSEERS OF THE POOR.]

Office, Charity Building, 43 Hawkins street.

[Stat. 1864, Chap. 128; Rev. Ord. 1898, Chap. 27; C.C., Title IV., Chap. 27; Stat. 1909, Chap. 538; Stat. 1913, Chap. 763; Rev. Ord. 1914, Chap. 23; Stat. 1921, Chap. 146.]

OFFICIALS.

SIMON E. HECHT, *Chairman*.

WALTER V. MCCARTHY, *Secretary*.

JAMES P. MALONEY, *Treasurer*.

OVERSEERS.*

Terms expire May 1, 1931.

WILLIAM H. TAYLOR.

MARGARET L. GOOKIN.

SIMON E. HECHT.

VINCENT BROGNA.

* The Overseers serve without compensation.

Terms expire May 1, 1932.

ASAD MUDARRI.

EDWARD H. WILLEY.

MRS. EVA W. WHITE.

CORNELIA G. McMAHON.

Terms expire May 1, 1933.

MORRIS BRONSTEIN.

SOPHIA M. FRIEDMAN.

ANDERS T. TELLSTROM.

JAMES P. MALONEY.

The Overseers of the Poor in the Town of Boston, a corporation established in 1772 by act of the Legislature, were succeeded in 1864 by the corporation called "Overseers of the Poor in the City of Boston," consisting of twelve residents of Boston, four of whom are appointed annually to serve for the term of three years from the first day of May. The Board has issued annual reports since 1865.

The Overseers of the Poor are also incorporated as a Board of Trustees of John Boylston's and other charitable funds.

In charge of the Overseers are the Wayfarers' Lodge on Hawkins street, opened in 1878, which gives free lodging to homeless men who are out of employment, but exacts work in its woodyard for meals furnished; and the Temporary Home on Chardon street for destitute women and children, opened in 1870. The total amount of the 18 permanent charity funds in the custody of the Overseers on January 1, 1930, was approximately \$1,035,984.07, the annual income from which (about \$37,000) is distributed to pensioners according to the intentions of the donors of the funds.

PARK DEPARTMENT.

Offices, 33 Beacon Street.

[Stat. 1875, Chap. 185; Rev. Ord. 1898, Chap. 28; C.C., Title IV., Chap. 24; Stat. 1911, Chap. 435, 540; Ord. 1912, Chap. 10; Ord. 1913, Chap. 5; Ord. 1914, Chap. 3; Rev. Ord. 1914, Chap. 24; Ord. 1920, Chap. 13; Ord. 1922, Chaps. 5, 7; Stat. 1923, Chap. 309; Ord. 1923, Chaps. 8, 12.]

COMMISSIONERS.

WILLIAM P. LONG. Term ends in 1931.

JOHN J. MARTIN.* Term ends in 1932.

THEODORE G. HAFFENREFFER.* Term ends in 1933.

OFFICIALS.

WILLIAM P. LONG, *Chairman.*

DANIEL J. BYRNE, *Secretary and Chief Clerk.*

CHARLES A. HOGAN, *Deputy Commissioner.*

RICHARD J. HAYDEN, *Superintendent of Parks.*

PATRICK J. DONOGHUE, *Superintendent of Cemeteries.*

JAMES E. O'REILLY, *Superintendent of Baths.*

JOHN J. MURPHY, *Chief Engineer.*

ALBERT L. EDSON, *Airport Superintendent.*

* Two commissioners serve without compensation.

The first Board of Park Commissioners was appointed on July 8, 1875. The Board consisted of three members who served without compensation. As thus constituted, the department continued up to 1913, when, by the provisions of Chapter 10, Ordinances of 1912, it was merged with the Public Grounds, Bath and Music Departments, under the name of Park and Recreation Department. In 1920 the Cemetery Department was merged with the Park Department, the latter title being substituted for Park and Recreation Dept.

PARKS, ETC., WITH LOCATION, AREA AND YEAR ACQUIRED.

MAIN PARK SYSTEM.		Acres.
Arborway, Prince st. to Franklin Park, 1892		36.00
* Arnold Arboretum and Bussey Park, South, Centre and Walter sts., 1882, 1895		223.00
Back Bay Fens, Beacon st. to Brookline ave., 1877		116.99
Common, Tremont to Charles and Beacon to Boylston st., 1634. †		48.40
Commonwealth ave., Arlington st. to Newton line, 1894-1905 . .		112.70
Franklin Park (1883-84) and Zoological Garden (1912), Seaver to Morton st. and Blue Hill ave. to Forest Hills st.		527.00
Olmsted Park, Huntington ave. to Prince st., 1890		180.00
‡ Avenue Louis Pasteur, Longwood ave. to the Fenway, 1922, . . .		3.19
Public Garden, Charles to Arlington and Beacon to Boylston st., 1823		24.25
Riverway, Brookline ave. to Huntington ave., 1890		40.00
§ West Roxbury Parkway, from Centre and Walter sts., near Arboretum, to Weld st., 1894		75.47
Total Acres, Main Park System		1,387.00

MARINE PARK SYSTEM.

Castle Island (formerly), now joined to mainland and a part of Marine Park (land 25.70; flats 78.30), 1890		104.00
Columbia road } Franklin Park to Marine Park, City Point, { Dorchester way } 1892, 1899		31.20
Marine Park and Aquarium, Farragut road, City Point (land 52.50; flats 4.90), 1883. (Aquarium, 1912.)		57.40
Strandway and Columbus Park, Columbia road railroad bridge to City Point (land 133.80; flats 131.50), 1890-1901		265.30
Total Acres, Marine Park System		457.90

* Of this park, only the roads and walks are maintained by the City.

† This area of the Common is exclusive of the old cemetery on Boylston st. side, containing 1.40 acres.

‡ Acquired by Ordinance, Chap. 7 of 1922.

§ The construction and care of that part of the parkway extending from Weld st. to Washington st. was transferred to the Metropolitan Park Commission by Chap. 270, Acts of 1915.

MISCELLANEOUS PARKS.		Acres.
* Irving W. Adams Park, Junction of Washington and South sts., Roslindale, 1919		0.78
Berners Sq., Longwood ave., Bellevue and Plymouth sts., Roxbury, 1901		1.31
Charlesbank, Charles st., from Cambridge st. to Leverett, 1883 .		10.00
Charlestown Heights, Bunker Hill and Medford sts. (6.10), Dewey Beach (4.30), 1891		10.40
Chestnut Hill Park, Beacon st. and Commonwealth ave., Brighton, 1898-1902		55.40
Copp's Hill terraces, Commercial and Charter sts., North End, 1893		0.60
* William B. Corbett Park, between Washington and Claybourne sts., Dorchester, 1917		0.94
Dorchester Park, Dorchester ave. and Richmond st., 1891 . .		30.40
Franklin Field, Blue Hill and Talbot aves., Dorchester (park area), 1892. (See under Playgrounds for larger area) . .		17.00
Freeport St. (Malloch's) Wharf and grounds, Dorchester (land 1.15; flats, 2.54), 1912		3.69
North End Beach, Commercial and Charter sts. (land 3.70; flats 3), 1893		6.70
* Stanley A. Ringer Park, Allston st. and Griggs place, 1916 .		12.12
Rogers Park, Lake and Foster sts., Brighton, 1899 . . .		6.90
Savin Hill Park, Grampian way, Dorchester, 1909 . . .		8.26
Park, East Cottage, Pleasant and Pond sts., Dorchester, 1921 .		0.22
Statler Park, Columbus ave., Stuart and Church sts., 1925 .		0.25
Trinity Triangle, Huntington and St. James aves., 1885 . .		0.12
World War Memorial Park, (formerly Wood Island), East Boston, on eastern waterfront (land 55.60; flats 155.40), 1882, 1891 .		211.00
Total Acres, Miscellaneous Parks		376.09

PLAYGROUNDS, WITH LOCATION, AREA AND YEAR ACQUIRED.

Almont st., Mattapan, 1924	17.81
William J. Barry, Chelsea st. and Mystic River, Cha'st'wn, 1897,	5.27
Billings Field, La Grange and Bellevue sts., W. Roxbury, 1896 .	10.83
Rev. Fr. Buckley, Bolton and West Third sts., South Boston, 1925	0.65
Brookside ave. and Cornwall st., Jamaica Plain, 1925 . . .	1.32
Carroll Pond, Carroll st., W. Roxbury, 1921	0.47
* William E. Carter, Columbus ave. at Camden st., 1899 . .	5.02
Ceylon and Intervale sts., Dorchester, 1923	4.03
† Charlesbank, Charles st., 1883.	3.50
Charlestown, Main and Alford sts. (land 14; flats 3.7), 1891 .	16.84

* Named for soldier killed in World War.

† Playgrounds located in parks, and included in areas of parks.

	Acres.
† Charlestown Heights, Bunker Hill and Medford sts., 1891	1.00
† Chestnut Hill, Brighton, 1898	4.00
† Columbus Park, Strandway (15 acres improved)	79.00
† Common, Charles st. side	3.50
American Legion, Condor and Glendon sts., East Boston, 1924, ...	3.38
* John J. Connolly, Marcella and Highland sts., Roxbury, 1903	5.10
* James L. Cronin, Brent st., near Talbot ave., Dorchester, 1899, ...	2.24
* Vincent Cutillo, Morton and Stillman sts., North End, 1917	0.48
† Dorchester Park, Dorchester ave. and Richmond st., 1891	5.40
* John A. Doherty, Dorchester and Geneva aves., 1897	1.47
* Frederick D. Emmons, Rutherford ave., Charlestown, 1912	1.07
William Eustis, Norfolk ave. and Proctor st., Roxbury, 1909	7.60
Factory Hill, Town st., Hyde Park, 1912	5.20
* Fallon Field, South and Robert sts., Roslindale, 1899	3.87
† Fens, Back Bay, 1877	5.00
Franklin Field, Blue Hill and Talbot aves., Dorchester, 1892	60.00
† Franklin Park, 1883-84	36.00
* William H. Garvey, Neponset ave., opposite Chickatawbut st., Dorchester, 1896	16.68
Christopher Gibson, Dorchester and Geneva aves., 1897.	4.34
Paul Gore st., Jamaica Plain, 1913	0.74
* William Amerena Playground, Gove, Geneva, Porter and Wellington sts., E. B., 1925	4.06
* James F. Healy, Washington st. and Firth road, Ros., 1902, ...	9.63
Jefferson, Heath, Cranford and Floyd sts., Roxbury, 1924	7.51
Mary Hemenway, Adams and Gustine sts., Dorchester, 1919	4.41
* John F. Holland, Mozart and Bolster sts., Roxbury, 1917	1.07
Christopher J. Lee, First st. at M st., South Boston, 1897	5.20
* McConnell Park (formerly Savin Hill), Springdale and Denny sts. (land, 9.78; flats, 50.55).	60.33
* Arthur F. McLean, Saratoga and Bennington sts., E. B., 1917, ...	0.43
Mission Hill, Tremont and Smith sts., Roxbury, 1913 and 1915	4.24
* John W. Murphy, Carolina ave., Jamaica Plain, 1912	4.17
† North End Beach, Commercial st., 1893	3.00
† Olmsted Park, Jamaica way, 1890	3.00
John H. L. Noyes, Saratoga and Boardman sts., East Boston (land 5.24; flats 3.07), 1909	8.31
† Paris st., East Boston, 1912	1.27
Francis Parkman, Wachusett st., Forest Hills, 1924	2.06
Portsmouth st., Brighton, 1912	4.29
† Prince st., North Bennet and Prince sts., North End, 1897	0.40
Readville, Bullard, Milton and Regent sts., Hyde Park, 1924	5.01

* Named for soldier killed in World War.

† Playgrounds located in parks, and included in areas of parks.

‡ Children's playground.

	Acres.
* † Stanley A. Ringer, Allston st. and Griggs place, Brighton, 1916,	2.00
▲ Ripley, Ripley road, near Harvard st., Dorchester, 1913 . . .	0.86
† Rogers Park, Lake and Foster sts., Brighton, 1899	4.00
Ronan (formerly Mt. Ida), Bowdoin and Percival sts., Dor., 1912,	11.65
* Lester J. Rotch, Albany and Randolph sts., South End, 1903 . .	2.80
Shawmut ave. and Cherry st., South End, 1922	0.55
Smith's Pond, Brainard st., Hyde Park, 1914	14.51
* William F. Smith, Western ave. and N. Harvard st., Bri., 1894,	14.00
* † J. M. and J. J. Sullivan, Fellows and Hunneman sts., Rox., 1897,	0.85
* † Matthew J. Sweeney, West Fifth st., South Boston, 1909 . . .	0.41
Tenean Beach, Neponset, 1915	8.70
† Tyler St., South End, 1912	0.26
* George H. Walker, Norfolk st., opp. Evelyn, Mattapan, 1912,	6.21
† West Third st., corner B st., South Boston, 1909	0.28
† John Winthrop, Dacia and Danube sts., Dorchester, 1911 . . .	1.57
Webster ave., North End 1925	0.30
‡ World War Memorial Park, East Boston, 1891	10.00
Playground, Dunbar ave., Dorchester, 1930	2.46
Playground, Faneuil st., Brighton, 1930	6.43
Playground, Foster street, place and court, North End, 1930 . .	0.10
Playground, Byron and Pope sts., East Boston, 1930	1 14
Playground, Winthrop, Fairland and Moreland sts., Rox., 1930 .	1.88
Total area of the 70 Playgrounds (Acres)	1,531.16
Area of 13 Playgrounds in Parks (Acres)	159.40
Area of the 57 Separate Playgrounds (Acres)	1,371.76

The first separate playground acquired by the City was the Charlestown Playground, purchased in 1891 for \$172,923. With that included, 70 playgrounds (57 separate and 13 located in parks) have been established, most of them equipped with first-class shelter and sanitary buildings containing lockers, also drinking fountains, shower baths, etc.

PUBLIC GROUNDS, SQUARES, ETC., WITH LOCATIONS AND AREAS.

CITY PROPER.

	Square Feet.
Berwick Park, between Columbus ave. and N. Y., N. H. & H. R.R.	3,800
Blackstone Square, Washington st., between West Brookline and West Newton sts.	105,100
City Hall Grounds, School st.	7,700
Columbus Square, Columbus and Warren aves.	2,250
Concord Square, between Tremont st. and Columbus ave. . . .	5,000
Copley Square, between Huntington ave., Boylston and Dart- mouth sts.	28,399

* Named for soldier killed in World War.

† Playgrounds located in parks, and included in areas of parks.

‡ Children's playground.

▲ Acquired by gift.

	Square Feet
Fort Hill Square, Oliver and High sts.	29,480
Franklin Square, Washington st., between East Brookline and East Newton sts.	105,205
Abraham Lincoln Square (formerly Park Square), Columbus ave., Eliot st. and Broadway	2,867
Massachusetts Ave. Malls, four sections, between Albany st. and Columbus ave.	106,500
Rutland Square, between Tremont st. and Columbus ave.	7,400
St. Stephen Square, corner St. Stephen and Batavia sts.	100
Union Park, between Tremont st. and Shawmut ave.	16,000
Waltham Square, Harrison ave., opposite Union Park st.	3,000
Worcester Square, between Washington st. and Harrison ave.	16,000

ROXBURY.

Bromley Park, Albert to Bickford sts.	20,975
Cedar Square, Cedar st., between Juniper and Thornton sts.	26,163
Elm Hill Ave., between Seaver and Schuyler sts. (Tree Area)	2,650
Elm Hill Park, off 550 Warren st.	6,920
* Francis G. Hanlon Square, junction of Huntington ave., Tre- mont and Francis sts.	1,662
General Heath Square, Old Heath, New Heath and Parker sts.	2,419
Highland Park, Fort ave. and Beech Glen st.	158,421
Horatio Harris Park, Walnut ave., from Munroe to Townsend st.	110,040
Alvah Kittredge Park, Highland st. and Highland ave.	5,600
Linwood Park, Centre and Linwood sts.	3,625
Longwood Park, Park and Austin sts.	21,000
Madison Park, Sterling, Marble, Warwick and Westminster sts., ...	122,191
Orchard Park, Chadwick, Orchard Park and Yeoman st.	104,492
Public Ground, corner Blue Hill ave. and Seaver st.	2,500
Warren Square, Warren, St. James and Regent sts.	1,380
Walnut Park, between Washington st. and Walnut ave.	5,736
Washington Park, Dale and Bainbridge sts.	396,125
* Herbert J. Wolf Square, Crawford, Abbotsford and Harold sts.	966

BRIGHTON.

Brighton Square, Chestnut Hill ave. and Academy Hill rd.	25,035
* Edward M. Cunningham Square, Cambridge, Murdock and Sparhawk sts.	7,449
Fern Square, between Franklin and Fern sts.	1,900
Jackson Square, Chestnut Hill ave., Union and Winship sts.	4,300
Oak Square, Washington and Faneuil sts.	9,796
Public Ground, Cambridge and Henshaw sts.	1,434

CHARLESTOWN.

City Square, junction of Main and Park sts.	8,739
Essex Square, Essex and Lyndeboro' sts.	930

* Named for soldier killed in World War.

	Square Feet.
Hayes Square, Bunker Hill and Vine sts.	4,484
Sullivan Square, Main, Cambridge, Sever and Gardner sts.	56,428
Winthrop Square, Winthrop, Common and Adams sts.	38,450

DORCHESTER.

* Andrew Henry Square, Adams and Granite sts.	2,068
Algonquin Square, Algonquin and Bradlee sts.	1,728
Centervale Park, Upland ave. and Bourneside st.	9,740
* John F. Donovan Park, Meeting House Hill	56,200
Drohan Square, Edison Green	10,241
Eaton Square, Adams and Bowdoin sts.	13,280
* Francis G. Kane Square, Bowdoin, Winter and Hancock sts.	1,600
Mt. Bowdoin Green, summit of Mt. Bowdoin	25,170
Peabody Square, Ashmont st. and Dorchester ave.	1,963
* Fred C. W. Olson Square, junction of Adams and Codman sts.	700
Public Ground, Florida st., King to Ashmont (7 sections)	24,193
* Gordon E. Denton Square, Magnolia st.	3,605
Public Ground, between Victory Road and Park st.	450,846
Richardson Square, between Pond and Cottage sts.	46,035
Spaulding Square, junction of Freeport st. and Neponset ave.	6,263
Tremlett Square, Tremlett st., between Hooper and Waldeck sts.	7,107
Wellesley Park, Wellesley Park st.	28,971

EAST BOSTON.

Belmont Square, Webster, Sumner, Lamson and Seaver sts.	30,000
Central Square, Meridian and Border sts.	40,310
Maverick Square, Sumner and Maverick sts.	4,396
Prescott Square, Trenton, Eagle and Prescott sts.	12,284
Putnam Square, Putnam, White and Trenton sts.	11,628
† Boston Airport (256 acres)	11,151,360

HYDE PARK.

Camp Meigs, Readville	124,500
* Horace Campbell Woodworth Square, Beacon st. and Metropolitan ave.	220
* Lieut. Parker B. Jones Square, Milton ave. and Highland st.	220
Williams Square, Williams ave. and Prospect st.	700
Greenwood Square, junction of Greenwood st. and Central ave.	220
Webster Square, junction of Webster st. and Central ave.	220
Wolcott Square, Hyde Park ave., Milton and Prescott sts.	220
Golf Links, West st.	6,795,360

SOUTH BOSTON.

Independence Square, Broadway, Second, M and N sts.	279,218
Lincoln Square, Emerson, Fourth and M sts.	9,510
Thomas Park, Telegraph Hill	190,000

* Named for soldier killed in World War.

† Leased from the Commonwealth of Massachusetts.

WEST ROXBURY.

Square Feet.

* Gustav Emmet Square, S. Conway, S. Fairview and Robert sts.	750
* Cornelius J. Mahoney Square, Centre and Perkins sts.	3,200
Oakview Terrace, off Centre st.	5,287
Soldiers' Monument Lot, South and Centre sts., Jamaica Plain . .	5,870
Total area of Public Grounds, etc., 3,005,745 square feet, or 69 acres.	

RECAPITULATION.

Parks and Parkways:	Acres.
Main Park System	1,387.00
Marine Park System	457.90
Miscellaneous Parks	376.09
Playgrounds (separate)	371.76
Public Grounds, Squares, etc.	224.99
Airport, East Boston	256.00
Grand total (acres)	3,073.74

BRIDGES LOCATED IN PARKS AND PARKWAYS.

PUBLIC GARDEN.

FOOT-BRIDGE, over pond.

THE FENS.

AGASSIZ, carrying Agassiz road over the Fens water.

BOYLSTON, over outlet of the Fens.

CHARLESGATE, over Boston & Albany Railroad and Ipswich street

COMMONWEALTH AVENUE, over outlet of the Fens.

FENS, over outlet of Muddy river.

COMMONWEALTH AVENUE.

COTTAGE FARM, over Boston & Albany Railroad.

RIVERWAY.

AUDUBON, over Newton circuit of Boston & Albany Railroad.

† BELLEVUE, over Muddy river from Bellevue street.

BRIDLE PATH, carrying the ride over Muddy river, near Audubon road.

† BROOKLINE AVENUE, over Muddy river.

† BERNERS STREET FOOT-BRIDGE, over Muddy river.

† HUNTINGTON AVENUE, over outlet of Leverett pond.

† LONGWOOD, carrying Longwood avenue over Muddy river.

OLMSTED PARK.

FOOT-BRIDGES at Leverett pond and over outlets of Willow pond and Ward's pond.

FRANKLIN PARK.

ELLCOTT ARCH, carrying Circuit drive over walk at Ellicottdale.

FOREST HILLS, carrying entrance to Franklin Park over traffic road.

OVERLOOK ARCH, over entrance to Overlook Shelter.

* Named for soldier killed in World War.

† The Park Dept. maintains such parts of these bridges as are within City limits.

SCARBORO', carrying Circuit drive over Scarboro' pond.

SCARBORO' POND FOOT-BRIDGE, carrying the walk over Scarboro' pond.

COLUMBIA ROAD.

COLUMBIA ROAD, over Old Colony avenue and Plymouth division of New York, New Haven & Hartford Railroad.

COLUMBIA ROAD, over Shoreham street.

WORLD WAR MEMORIAL PARK.

NEPTUNE, carrying Neptune rd. over Boston, Revere B. & Lynn R.R.

FOOT-BRIDGE, from Prescott st. over Boston, Revere B. & Lynn R.R.

STATUES BELONGING TO CITY, LOCATED IN PARKS AND PUBLIC GROUNDS.

NAME.	Location.	Year Erected.	Artist.
Samuel Adams.....	Adams Square.....	1880	Anne Whitney.
Robert Burns.....	Back Bay Fens.....	1919	Henry H. Kitson.
Colonel Thomas Cass....	Public Garden.....	1899	Richard E. Brooks.
Leif Ericsson.....	Commonwealth Ave..	1886	Anne Whitney.
Edward Everett.....	Edward Everett Sq., Dorchester.....	1867	William W. Story.
Admiral David G. Farra- gut.	Marine Park, S. Bos- ton.	1893	Henry H. Kitson.
Benjamin Franklin.....	City Hall Grounds....	1856	Richard S. Greenough.
William Lloyd Garrison..	Commonwealth Ave..	1886	Olin L. Warner.
General John Glover.....	Commonwealth Ave..	1875	Martin Milmore.
Edward Everett Hale....	Public Garden.....	1913	Bela L. Pratt.
Alexander Hamilton.....	Commonwealth Ave..	1865	William Rimmer.
Wendell Phillips.....	Public Garden.....	1915	Daniel C. French.
Josiah Quincy.....	City Hall Grounds....	1879	Thomas Ball.
Charles Sumner.....	Public Garden.....	1878	Thomas Ball.
General Joseph Warren..	Warren Sq., Roxbury,	1904	Paul W. Bartlett.
George Washington *....	Public Garden.....	1869	Thomas Ball.
John Winthrop.....	First Church Grounds,	1880	Richard S. Greenough.
Labor Group †.....	Franklin Park.....	1930	Daniel G. French.
Science Group †.....	Franklin Park.....	1930	Daniel G. French.

* Equestrian statue.

† Removed from old Post Office building in Boston to Zoological Garden.

MONUMENTS AND MEMORIALS BELONGING TO CITY, LOCATED ON PUBLIC GROUNDS

NAME OR DESIGNATION.	Location.	Year Erected.	Artist or Architect.
Blackstone Memorial Tablet.....	Boston Common.....	1914	R. Clipston Sturgis.
Crispus Attucks and Other Patriots of 1770.....	Boston Common.....	1888	Robert Kraus.
William Ellery Channing,	Public Garden.....	1903	Herbert Adams.
Patrick A. Collins Memorial.....	Commonwealth Ave...	1908	{ Henry H. Kitson. T. Alice Kitson.
Declaration of Independence Tablet.....	Boston Common.....	1925	John F. Paramino.
Dorchester Heights (Revolutionary).....	Telegraph Hill, South Boston...	1902	Peabody & Stearns.
Ether Memorial.....	Public Garden.....	1867	John Q. A. Ward.
Curtis Guild Memorial Entrance.....	Boston Common.....	1917	Cram & Ferguson.
Kosciuszko Tablet.....	Public Garden.....	1927	Mrs. T. A. R. Kitson.
Lafayette Tablet.....	Boston Common.....	1924	John F. Paramino.
Abraham Lincoln and Emancipation.....	Abraham Lincoln Sq..	1879	Thomas Ball.
John Boyle O'Reilly.....	Back Bay Park.....	1896	Daniel C. French.
Francis Parkman Memorial.....	Olmsted Park, J. P...	1906	Daniel C. French.
George F. Parkman Memorial Bandstand.....	Boston Common.....	1912	Robinson & Shepard.
Football Tablet.....	Boston Common.....	1925	
Colonel Robert Gould Shaw and 54th Mass. Reg.	{ Boston Common....	1897	{ Augustus Saint Gaudens. McKim, Mead & White.
Soldiers' and Sailors' Monument.....	Boston Common.....	1877	Martin Milmore.
Soldiers' Monument, Charlestown.....	Winthrop Square.....	1872	Martin Milmore.
Soldiers' Monument, Dorchester.....	Meeting House Hill...	1867	B. F. Dwight.
Soldiers' Monument, Jamaica Plain.....	Centre and South sts...	1871	W. W. Lummis.
George Robert White Memorial.....	Public Garden.....	1924	Daniel C. French.
Founding of Boston Memorial Tablet.....	Boston Common.....	1930	John F. Paramino.

FOUNTAINS BELONGING TO CITY, LOCATED ON PUBLIC GROUNDS.

Brewer Fountain, Boston Common; Copenhagen Memorial Fountain, Edward Everett Square; Johnson Memorial Fountain and Gateway, entrance to Back Bay Park, Westland Avenue; "Maid of the Mist" and three other fountains, Public Garden; one fountain each on Blackstone, Franklin, Central, Independence and Sullivan Squares, Meeting House Hill, Thomas Park, Madison Park, Union Park and Massachusetts Avenue; Lyman Fountain, Eaton Square; Taft Memorial Fountain, Chestnut Hill Park.

Since the City's park development began, in 1877, the total expenditure, to the close of 1929, for parks, parkways and playgrounds (exclusive of the annual maintenance appropriation) is \$29,807,275.32 or \$10,878,-224.39 for the land and \$18,929,050.93 for construction.

The Arnold Arboretum (the "tree museum" of Harvard University), containing originally 122.6 acres, was added with other lands, in 1882, to the City's park system, under a special contract with Harvard University, and in 1895 another tract of 75 acres (Peter's Hill), also belonging to the University, was included, the name Bussey Park being added to the title. All the land in these tracts (not required for driveways and walks, a quarry reservation and traffic road) is used, under the trusts created by the wills of Benjamin Bussey and James Arnold, for Harvard's extensive collection of specimens of such trees and shrubs as will live in this climate. The City maintains the roads and walks, also attends to policing the grounds. The Arboretum is open to visitors daily from 7 A. M. until sunset.

The Franklin Park Zoological Garden on the northern side of the park, begun in 1911, now occupies about eighty acres. Up to December 31, 1927, the amount expended for construction, etc., was \$577,078.63. In the summer of 1912, the group of bear dens, the aquatic flying cage, etc., were finished and put on exhibition, in 1913 the bird house with other attractions, in 1914 the elephant house and in 1920 the lion house, were added. One of the latest improvements is the "Greeting" or main entrance and concourse leading from Blue Hill avenue, with massive stone gateway, ornamental fence, etc., completing the original artistic design.

The Marine Park Aquarium, costing \$144,530, was opened to the public on November 28, 1912. The entire outlay for both was appropriated from the George F. Parkman Fund income.

GEORGE F. PARKMAN FUND.

By the will of the late George F. Parkman, various real estate properties worth between \$5,000,000 and \$6,000,000 were left to the City, the income therefrom to be expended for the maintenance and improvement of the Common and such parks as were in existence January 12, 1887, and no part of it to be used for the purchase of additional land for park purposes. The bequest was accepted by the City Council, March 9, 1909, since which date most of the realty has been sold and the proceeds invested in bonds

On December 31, 1928, the principal of the fund in the custody of the City Treasurer, amounted to \$5,421,074.80. In the fiscal year 1928 the income from the fund was \$221,031.25.

PUBLIC BATHS AND GYMNASIA.

MAIN BATH HOUSES, OPEN ALL THE YEAR.

CABOT STREET.—203 Cabot street, Roxbury. Brick building, containing 35 shower baths, a swimming pool, 75 by 25 feet, and a gymnasium. Opened to the public in September, 1905. Total cost of building, \$108,690.

CHARLESTOWN.—Corner Bunker Hill and Lexington streets. Brick building (old City building remodeled), containing 28 shower baths and a gymnasium. Opened to the public in March, 1913. Total cost, \$49,000, approximately.

DOVER STREET.—249 Dover street. Brick building, containing 30 shower baths for men and 11 for women, also tub baths. No gymnasium. It includes a laundry where all the towels and part of the bathing suits used in the department are laundered. Opened to the public in October, 1898. Total cost (including \$14,154 for land), \$88,267.

NORTH BENNET STREET.—North End. Brick building, containing 65 shower baths, 400 lockers and a gymnasium. Opened to the public in April, 1909. Total cost (including \$36,800 for land), \$136,186.

BATHS AND GYMNASIA IN OTHER CITY BUILDINGS, OPEN ALL THE YEAR.

CHARLESBANK.—Charles street, West End, two houses (*i. e.*, for men and women), 12 shower baths in each; outdoor gymnasium.

COPLEY SCHOOL.—Bartlett street, Charlestown, 12 showers for men, 10 showers for women.

EAST BOSTON GYMNASIUM.*—116 Paris street, 74 shower baths.

MUNICIPAL BUILDING.—Corner Columbia road and Bird street, Dorchester, 30 shower baths and a swimming pool.

MUNICIPAL BUILDING.—South street, near Sedgwick street, Jamaica Plain, 53 shower baths and a swimming pool, 75 by 24 feet.

MUNICIPAL BUILDING.—Broadway, South Boston, 65 shower baths, *i. e.*, 40 for men's section, 23 for women's, and two extension showers for boys.

MUNICIPAL BUILDING.—Tyler street, South End, 40 shower baths.

MUNICIPAL BUILDING.—Vine and Dudley streets, Roxbury, 28 shower baths for men's section, 28 for women's and 6 in gymnasium.

MUNICIPAL BUILDING.—Shawmut avenue and W. Brookline street, South End, 115 shower baths.

MUNICIPAL BUILDING.—Washington street, near Ashland, Roslindale, 18 shower baths.

MUNICIPAL BUILDING.—River street, Hyde Park, 40 shower baths.

* On the site of the new East Boston Gymnasium was located the first indoor municipal gymnasium in the United States, so far as known. It was opened to the public in 1897.

BEACH BATHS.

COLUMBUS PARK.—South Boston, single house, for men, women and children.

DEWEY.—Medford street, Charlestown, single house, for men, women and children.

FREEPORT STREET.—Dorchester, one house, for men and women.

K STREET.—South Boston, for women.

L STREET.*—South Boston, for men and boys.

MARINE PARK.—Dressing closets, lockers and showers, for men and women.

NORTH END PARK.—Commercial street, two houses, for men and women. A laundry connected with these bath houses launders part of the bathing suits used in the department during the summer bathing season.

SAVIN HILL.—Dorchester, single house, for men, women and children.

TENEAN.—Neponset, single house, for men, women and children.

WORLD WAR MEMORIAL PARK.—East Boston, two houses, for men and women, and one house for boys.

CEMETERY DIVISION.

When in November, 1920, the Cemetery Department was consolidated with the Park Department, the five trustees of the former were superseded by the Park Commissioners, who reorganized it as the Cemetery Division of the Park Department, thereupon taking charge of Mount Hope Cemetery and all the burying grounds owned by the City. Mount Hope Cemetery (the largest of all) was bought by the City in 1857 for \$35,000 and additional land has been purchased since. It is bounded by Walk Hill, Harvard, Canterbury and Paine streets, Ward 18. The Board of Cemetery Trustees was first appointed under the ordinances of December 21, 1857, and annual reports have been published since 1859.

All the cemeteries formerly under control of the said Board but now in charge of the Park Department, are as follows, with area:

Bennington street, East Boston, 157,500 square feet.

Bunker Hill, Charlestown, 48,202 square feet.

Central, Boston Common, 60,693 square feet.

Copp's Hill, Charter and Hull streets, 89,015 square feet.

Dorchester North, Upham's Corner, 142,587 square feet.

Dorchester South, Dorchester avenue, 95,462 square feet.

Eliot, Washington and Eustis streets, 34,830 square feet.

Evergreen, Commonwealth avenue, Brighton, 604,520 square feet.

Fairview, Hyde Park, 50 acres.

Granary, Tremont street, opposite Bromfield street, 82,063 square feet.

* The L street seaside bath, opened in 1866, was the first municipal bath established in the United States, so far as known.

Hawes, Emerson street, near L street, 11,232 square feet.
 King's Chapel, Tremont street, near School street, 19,344 square feet.
 Market Street, Market street, Brighton, 18,072 square feet.
 Mount Hope, Walk Hill street, 117 acres and 36,536 square feet.
 Phipps Street, Charlestown, 76,740 square feet.
 Rainsford Island, 43,560 square feet.
 South End, Washington and East Concord streets, 64,570 square feet.
 Walter Street, Walter street, Roslindale, 35,100 square feet.
 Warren, Kearsarge avenue, Roxbury, 54,500 square feet.
 Westerly, Centre street, West Roxbury, 39,450 square feet.
 Total area of the 20 cemeteries, 206 acres.

PENAL INSTITUTIONS DEPARTMENT.

Office 804, 805, 806, 807, City Hall Annex.

[Stat. 1895, Chap. 449, § 14; Stat. 1896, Chap. 536, § 9; Stat. 1897, Chap. 595, § 5; Ord. 1924, Chap. 9.]

WILLIAM G. O'HARE, *Commissioner*. Term ends in 1934.

GEORGE T. REID, *Deputy Commissioner*.

The Penal Institutions Commissioner is the executive and administrative head of the Penal Institutions Department and is also charged with paroling power from Charles Street Jail, according as deemed necessary for its proper conduct.

HOUSE OF CORRECTION.

GEORGE F. A. MULCAHY, *Master*.

This institution dates from 1895, and now includes a group of buildings valued at \$1,531,000, the value of the land has been appraised at \$605,900, a total of \$2,136,900. The persons committed there in 1928 numbered 4,715, all men, who were kept busy at farming or in making shoes, clothes and granite edgestones. Number discharged in year, 3,982, average daily population, 726.

The Department Steamboat "Michael J. Perkins" is maintained for Deer Island and Long Island transportation service.

PRINTING DEPARTMENT.

Office and Printing Plant, 286 Congress street.

[Rev. Ord. 1898, Chap. 31; Ord. 1911, Chap. 2; Ord. 1914, Chap. 6; Rev. Ord. 1914, Chap. 26; Ord. 1920, Chap. 9; Rev. Ord. 1925, Chap. 24.]

WILLIAM J. CASEY, *Superintendent of Printing*. Term ends in 1934:

The Superintendent of Printing has charge of all the printing, binding and stationery for the city departments. He also purchases the postage used by the city.

The printing plant was established March, 1897, for the express purpose of executing the printing required by all city and county departments. It was originally operated partly from an appropriation and partly from revenue. Since 1910 it has been entirely self-supporting, and no appropriation of any kind has been made. The entire expense of maintenance, including pay roll, has been met from the revenue.

The plant is organized and equipped especially for the city's printing requirements and consists of modern type-setting machinery, presses and material. Its value is appraised at approximately \$200,000.

PUBLIC BUILDINGS DEPARTMENT.

Office, 802 City Hall Annex, eighth floor.

[Stat. 1895, Chap. 449, § 22; Rev. Ord. 1898, Chap. 32; Stat. 1913, Chap. 263; Rev. Ord. 1914, Chap. 27; Ord. 1921, Chap. 1.]

JOHN P. ENGLERT, *Superintendent of Public Buildings*. Term ends in 1933.

FREDERICK C. WARD, *Chief Clerk*.

The office of the Superintendent of Public Buildings was established by ordinance on July 1, 1850, and annual reports have been published by the Superintendent since 1851. He has the supervision of the care, repair and furnishing of all buildings belonging to or hired by the City.

CITY BUILDINGS IN CHARGE OF THIS DEPARTMENT.

BUILDING AND LOCATION.	OCCUPIED BY, ETC.
Ambulance Station, National st., So. Boston.	On leased land.
Municipal Building, City sq., Charlestown.	Charlestown Municipal Court and Police Sta., 15th Div.
City Building, Norfolk and Washington sts., Dor.	Public Library Br.
City Building, Richmond and Washington sts., Dor.	Public Library Br., veterans' headquarters.
City Hall, School st.....	Mayor's office, City Council chamber and City departments or divisions of same.
City Hall Annex, Court st.....	City Departments.
East Boston Court House and Police Station, Meridian and Paris sts.	Dist. Court and Police Sta., 7th Div.

CITY BUILDINGS IN CHARGE OF THIS DEPARTMENT.— *Continued.*

BUILDING AND LOCATION.	OCCUPIED BY, ETC.
Faneuil Hall, Faneuil Hall square.....	Faneuil Hall, Armory of Ancient and Honorable Artillery Company, market stalls under hall.
Faneuil Hall Market House, N. and S. Market sts.	Quincy Hall and Produce Exch.
Jamaica Plain Library, South and Sedgwick sts.	Public Library Br.
Municipal Building, Jamaica Plain, South st.	Curtis Hall, baby clinic, baths and gymnasium.
Municipal Building, Dorchester, Columbia rd.	Pub. Library Br., wardroom, baths and gymnasium, veteran organization headquarters.
Municipal Building, River st., Hyde Park.	Auditorium, wardroom, gymnasium, baby clinic and baths.
Municipal Building, Roslindale, Washington st., opposite South.	Auditorium, Pub. Library Br., wardroom, baby clinic, gymnasium and baths.
Municipal Building, So. Boston, E. Broadway.	Municipal Court, Pub. Library Br., auditorium and baths.
Municipal Building, Wd. 3, Oak and Tyler sts.	Pub. Library Br., baths, baby clinic, gymnasium and wardroom.
Municipal Building, Wd. 9, Shawmut ave. and W. Brookline st.	Auditorium, Pub. Library Br., gymnasium, baby clinic and baths.
Municipal Building, Wd. 8, Vine and Dudley sts.	Pub. Library Br., baths, gymnasium, baby clinic and wardroom.
Old Chemical Engine House, Eustis st., Roxbury.	Leased.
Old Ladder House No. 5, Fourth st., So. Boston.	Upper part, Post 32, G. A. R.
Old Armory Building, Maverick and Bremen streets.	Building condemned. To be demolished.
Old Town Hall, Brighton.....	Baby clinic and G. A. R. Post.
Old Police Sta. 7, Meridian street, E. Boston.	Leased to L. S. W. V.
Old Health Unit, Blossom street.....	Auditorium.

CITY BUILDINGS IN CHARGE OF THIS DEPARTMENT.—*Concluded.*

BUILDING AND LOCATION.	OCCUPIED BY, ETC.
Old Provincial State House, Washington and State sts.	Leased to Bostonian Soc.
Old Franklin Schoolhouse, 1151 Washington st.	Leased as veteran headquarters.
Old Cross St. Schoolhouse, Cross st., Charlestown.	Leased to Col. F. B. Bogan Camp, No. 14, L. S. W. V.
Old Winthrop Schoolhouse, Bunker Hill st., Charlestown.	Reconstructed, with gymnasium, baths, baby clinic and wardroom.
Smith Schoolhouse, Joy st.....	Leased to Post 134, G. A. R.
Elmwood Street Gymnasium.....	Leased to Roxbury Post, V. F. W.
Old Ward Room on Mather School lot,	Leased to Francis Kane Post, A. L.
Thomas St. Schoolhouse.....	Leased to Boston Post 200, G. A. R.
Old Police Sta. 8, Commercial street....	Not in use.
Old Dorchester Court House, Adams and Arcadia sts.	Part occupied by Police Sta., 11th Div., Public Library Br.
Old Fire House, Church street.....	Employment bureau; upper part leased to Sinclair Post A. L.
Old Fire House, Chestnut Hill avenue..	Not in use.

COUNTY BUILDINGS.

BUILDING AND LOCATION.	OCCUPIED BY, ETC.
Court House, Pemberton sq.....	County offices and court rooms.
Mortuary, Northern Dist., 18 N. Grovest.	
Municipal Court House, Brighton, Chestnut Hill ave. and Academy Hill Road.	Municipal Court.
Roxbury Court House, Roxbury st.....	Municipal Court, South'n Dist., veteran organizations.
New Courthouse, Dor., Melville ave. and Washington st.	
Municipal Court, W. Rox., Morton st., Forest Hills.	Municipal Court, W. Rox. and Hyde Park.

WARDROOMS IN CITY BUILDINGS, ETC.

DISTRICT.	NEW WDS.	BUILDINGS.	LOCATION.
East Boston.....	1	Old Armory Building.....	Maverick st. Building condemned.
Charlestown.....	2	Charlestown Gymnasium Building.	Bunker Hill and Lexington sts.
Boston Proper...	3	Municipal Building.....	Oak and Tyler sts.
South Boston....	6	Municipal Building.....	Broadway.
Roxbury.....	8	Municipal Building.....	Vine and Dudley sts.
Boston Proper...	9	Municipal Building.....	Shawmut ave., West Brookline st.
Dorchester.....	13	Municipal Building.....	Columbia road and Bird st.
Jamaica Plain...	11	Minton Hall *.....	Forest Hills sq.
Roslindale.....	19	Municipal Building.....	Washington st. opposite South.
Hyde Park.....	18	Municipal Building.....	River st. and Central ave.
Brighton.....	22	Old Town Hall.....	Washington st.

* Hired for \$600 per year.

The one building used as an armory is No. 130 Columbus ave., occupied by four companies of Cadets, annual rent paid, \$4,800. At 11 Beacon st., 10th floor, hired for Law Department at annual rent of \$14,040, and at 274 Boylston st., three rooms for Medical Examiner of Northern District at \$1,800 per year.

In charge of this department also are the following City scales: North scales, Haymarket square.

PUBLIC WORKS DEPARTMENT.

General offices, entire fifth, sixth and seventh floors, City Hall Annex.

[Ord. 1910, Chap. 9; Stat. 1910, Chaps. 553 and 571; Stat. 1911, Chap. 312; Ord. 1911, Chaps. 1 and 10; Stat. 1912, Chap. 348; Rev. Ord. 1914, Chap. 28; Stat. 1914, Chap. 324; Ord. 1916, Chap. 3; Ord. 1917, Chap. 2; Ord. 1921, Chap. 3; Ord. 1925, Chap. 27; Ord. 1929, Chap. 16.]

JOSEPH A. ROURKE, *Commissioner*. Term ends in 1934.

BERNARD C. KELLEY, *Chief Clerk*.

The Public Works Department was established in 1911, consisting of the Street, Water and Engineering Departments combined under a single executive head, the Commissioner of Public Works, the latter authorized to create the necessary divisions of the department according to his judgment. The following five divisions have been created, viz., Bridge and Ferry, Highway, Sewer, Sanitary and Water, each in charge of a Division Engineer.

The Commissioner of Public Works, who must be a civil engineer of recognized standing in his profession, has control over the construction of all streets and sewers; the care and management of all bridges used as highways; of the ferries owned and operated by the City, and of the street lamps maintained by the City; the cleaning, repairing and sprinkling of streets and the removal of house offal and refuse; the maintenance and operation of all fixtures and appliances held by the City for purposes of water supply; and over the granting of permits to open, occupy, obstruct and use portions of streets.

By authority of Chapter 571, Acts of 1910, the Commissioner of Public Works charges for permits issued, as per the following revised schedule in effect from April 1, 1920:

1. Openings in streets or sidewalks, 50 cents each. Limited to 100 linear feet on one permit.
2. Emergency permits, Class A (for the above purpose), 50 cents each.
3. Advertising by man wearing hat and coat lettered (annual permit), \$5 (or \$1 per month).
4. Cleaning snow from roofs (occupation of sidewalk and street while so doing), annual permit, \$1 each.
5. Driving cattle through the streets (annual permit to driver), \$5.
6. Erecting and repairing awnings (annual permit), \$1 each.
7. Moving buildings in streets, \$5 per day; minimum charge, \$10.
8. Erecting, altering or repairing buildings (occupation of street or sidewalk), 5 cents per square foot per month in the City Proper, bounded on the south by and including Berkeley and Dover streets; 3 cents per square foot per month in that part of the City south of limits above stated to and including Massachusetts ave.; and 2 cents per square foot per month in all other localities.
9. Painting or minor repairs, \$1 each.
10. Feeding horses on streets (annual permit), \$1 each.
11. Placing and removing signs flat on buildings, \$1 each.
12. Projecting signs or lamps from buildings, \$1 each.
13. Raising or lowering safes, machinery, etc., \$1 each.
14. Emergency permits, Class B, \$1 each.
15. Special permits for periods and rates other than those in the preceding classes according to the discretion of the Commissioner.

BRIDGE AND FERRY DIVISION.

Office, 602 City Hall Annex, sixth floor.

JOHN E. CARTY, *Division Engineer.*

L. B. REILLY, *Engineer of Construction.*

J. DE MEULENAER, *Designing Engineer.*

THOMAS H. SEXTON, *Supervisor of Bridges.*

JOHN F. SULLIVAN, *Supervisor of Ferries.*

The Division Engineer has charge of the design, construction and maintenance of the greater part of the highway bridges within the limits of the City, the care and management of the municipal ferries, the abolishment of grade crossings, also the special engineering work for other City departments. All drawtenders are appointed by and subject to the control of the Commissioner of Public Works.

SUMMARY OF HIGHWAY BRIDGES, ETC.

I.	Number maintained wholly by Boston	65
II.	Number of which Boston maintains the part within its limits .	6
III.	Number of those whose cost of maintenance is partly paid by Boston	46
IV.	Number maintained by railroad corporations:	
	1. Boston & Albany	4
	2. Boston & Maine and Boston & Albany	1
	3. Boston & Maine, Eastern Division	1
	4. Boston, Revere Beach & Lynn	1
	5. New York, N. H. & H., Midland Div.	12
	6. New York, N. H. & H., Old Colony Div.	1
	7. New York, N. H. & H., Providence Div.	16
V.	Number maintained by Metropolitan District Commission,	7
VI.	Number maintained by Transit Department	12
	Total number	172

MUNICIPAL FERRIES.

SOUTH	{	<i>Boston Proper.</i> — Head-house, end of Eastern ave.
	{	<i>East Boston.</i> — Head-house, end of Lewis st.
NORTH	{	<i>Boston Proper.</i> — Head-house, end of Battery st.
	{	<i>East Boston.</i> — Head-house, end of Border st.

The following steam ferryboats are in commission:

NAME.	WHEN BUILT.	TYPE.	LENGTH.	GROSS TONNAGE.
John H. Sullivan	1912	Propeller.	172 ft. 3 in.	527
Lieut. Flaherty	1921	"	174 "	727
Ralph J. Palumbo	1921	"	174 "	755
Charles C. Donoghue	1926	"	174 " 4 "	757
Daniel A. MacCormack	1926	"	174 " 4 "	757

NOTE.— For bridges in parks see Park Department.

HIGHWAY DIVISION.

Main Office, 501 City Hall Annex, fifth floor.

JOSHUA ATWOOD, *Division Engineer.*

BENJAMIN F. BATES, *Engineer in Charge, Paving Service.*

The Division Engineer has charge of the construction and maintenance of all public streets, the issuing of permits to open, occupy and obstruct portions of streets, the care and upkeep of the electric and gas lamps in the public streets, alleys, parks and public grounds, and the placing of glass street signs and numbers therein, the numbering of buildings and the placing of all street signs.

STREET LAMPS IN-USE JANUARY 1, 1931.

	ELECTRIC.	GAS.	TOTAL.
Magnetite arc.....	4,199	.....	4,199
Tungsten incandescent.....	8,387	.....	8,387
Single mantle.....	.....	9,739	9,739
Single mantle (fire alarm).....	.....	214	214
Totals.....	12,586	9,953	22,539

MILES OF ACCEPTED STREETS, JANUARY 1, 1931, BY DISTRICTS.

DISTRICT.	Sheet Asphalt.	Asphalt Concrete.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Macadam.	Gravel.	Not Graded.	Totals.
City Proper.....	27.27	18.85	33.96	3.29	0.19	0.46	0.73	11.97	0.07	0.01	96.80
Charlestown.....	0.46	1.39	10.48	0.10	0.07	0.04	0.78	10.08	0.06	.....	23.46
East Boston.....	3.38	1.92	6.27	0.01	0.10	0.04	.....	21.61	0.26	0.04	33.63
South Boston.....	5.37	2.60	16.33	0.79	0.23	0.12	0.12	18.93	0.55	1.47	46.51
Roxbury.....	18.39	11.82	14.79	0.86	0.04	0.28	0.72	44.42	1.38	.....	92.70
West Roxbury.....	14.83	20.52	3.64	0.02	0.07	.....	2.33	68.99	3.38	0.42	114.20
Dorchester.....	16.29	23.15	10.13	1.68	0.11	1.07	1.87	90.42	3.31	0.12	148.15
Brighton.....	8.60	15.14	0.91	0.11	0.10	.....	2.22	26.70	2.37	0.10	56.25
Hyde Park.....	0.15	2.56	0.08	0.13	0.16	.....	.....	19.97	12.56	0.24	35.85
Total.....	94.74	97.95	96.59	6.99	1.07	2.01	8.77	313.09	23.94	2.40	647.55
Per Cent.....	14.63	15.13	14.92	1.08	0.16	0.31	1.35	48.35	3.70	0.37	100.00

SANITARY DIVISION.

Main Office, 510 City Hall Annex.

ADOLPH J. POST, *Division Engineer*.

PETER F. GERRITY, *Supervisor*.

The Division Engineer has charge of the cleaning and oiling of streets, also the removal of house offal and refuse in the various districts of the City.

Total expenditure for year 1930, \$3,213,084.28 for collection and disposal of the City's waste materials and the cleaning, oiling and flushing of streets.

REMOVAL OF STORE REFUSE.

The removal of refuse from shops, stores and warehouses, involving much extra labor, is attended to by the Sanitary Division and charged for at 15 cents a barrel or bundle (not larger than a flour barrel). No removals are made except on delivery of tickets obtainable at 504 City Hall Annex.

SEWER DIVISION.

Main Office, 701 City Hall Annex.

THOMAS F. BOWES, *Division Engineer*.

GEORGE W. DAKIN, CARL S. DRAKE, WILLIAM A. JOHNSON, *District Engineers*.

WILLIAM V. P. HOAR, *Office Engineer*.

The Division Engineer has charge of the construction and maintenance of all sewerage works, pumping stations, investigation of complaints, the granting of permits for sewer construction, and rebuilding or repairing of old house drains, the preparation of plans for the assessment of the cost of sewer construction, and the examination of plans and approval of underground locations for public service and other corporations.

The work of the Sewer Division is carried on by the following authority:

Revised Ordinances of 1925, chapters 27 and 39.

Acts of 1897, chapter 426, as amended by Acts of 1899, chap. 450, and Acts of 1903, chap. 268.

Acts of 1903, chap. 383, as amended by Acts of 1907, chap. 464.

Acts of 1907, chap. 550.

Acts of 1908, chaps. 204 and 514.

Special Acts of 1918, chap. 74.

Assessments upon estates benefited by new sewers are not levied by the Public Works Department, but by the Board of Street Commissioners, who also award damages for land-takings made for sewer construction. Plans from which areas to be assessed are determined are furnished by the Sewer Division. The assessment upon an estate for a new sewer is

limited to \$4.00 per linear foot, and it is a lien upon the property. An Act of the Legislature prohibits the assessment in similar cases of the cost of surface drains.

In the calendar year 1930, there were built by contractors, day labor and private parties, 28.774 miles of sanitary sewers and surface drains, and 591 catch-basins, making on Jan. 1, 1931, a total of 1,127.91 miles of common and intercepting sewers and 19,519 catch-basins in charge of the Sewer Division.

The Boston Main Drainage Works, a comprehensive system of sewage disposal works, were authorized under chapter 136 of the Acts of 1876. The works comprise 24.12 miles of main and intercepting sewers, located generally along tidal margins of the City and lying mainly below the level of low tide, a pumping station at Old Harbor Point, where sewage is lifted about 35 feet through force mains into twin deposit sewers, in which heavy matter settles before the sewage reaches a tunnel crossing under Dorchester Bay, and an outfall sewer and storage reservoirs at Moon Island, where the sewage is stored until its discharge into the harbor on the outgoing tide. These works have been in operation since 1884.

The common sewer system has three electrically operated automatic pumping stations. The station at Union Park and Albany sts. was built in 1915 to relieve floodings in the South End District of Boston by pumping and discharging the surplus storm water flow into the South Bay. The station at Summer st., opposite E st., was built in 1913, to take care of the sewage temporarily from the Commonwealth Pier district. The ejector station at Milton st. was built in 1914 to serve temporarily a small district, too low to flow by gravity into the present system.

In 1889, as provided by chapter 439 of the Acts, the Metropolitan Sewerage Commission of three members undertook the construction of the North Metropolitan and Charles River Systems of trunk and intercepting sewers, the former system to discharge into the sea at Deer Island, and the latter temporarily through the Main Drainage System of the City of Boston, outletting at Moon Island. The City of Boston had already constructed pumping works and a trunk sewer from Huntington ave. and Gainsborough st. to Moon Island. The Charles River System with its 8.10 miles of sewers was completed and put into operation in 1892, the State paying the City for pumping and discharging the sewage received from the territory west of Huntington ave. The North Metropolitan System, with four pumping plants and 41 miles of sewers, went in operation in 1896. A third system, the Neponset Valley, with a total length of 11.3 miles, also draining temporarily into the Boston Main Drainage System, was completed in 1898. In 1906 the high level sewer was completed and into its 17 miles of tunnel, extending from Roxbury to Quincy, thence to outlets off Nut Island, nearly all the sewage of the Charles and Neponset River Systems and the City of Quincy was diverted. Certain high areas in Dorchester, Roxbury and West Roxbury are also tributary to this system, which is now called the South Metropolitan Sewerage System.

The North Metropolitan Sewerage System has a contributory area of 100.32 square miles from 18 cities and towns and a total of 73.064 miles of sewer. The portions in Boston, namely, Deer Island, East Boston and Charlestown, contain 3.45 square miles of drainage area and 10.41 miles of Metropolitan sewer.

The South Metropolitan Sewerage System has a contributory area of 201.47 square miles from 14 cities and towns and a total of 55.552 miles of sewer. The portions in Boston, namely, Back Bay, Brighton, Dorchester, Hyde Park, Roxbury and West Roxbury, contain 24.96 square miles of drainage area and 24. miles of Metropolitan sewer.

Tributary to the two Metropolitan Systems there are 1,876 miles of local sewers contributing sewage from 32 cities and towns.

WATER DIVISION.

Main Office, 607 City Hall Annex.

CHRISTOPHER J. CARVEN, *Division Engineer.*

JAMES A. MCMURRY, *Engineer in Charge, Income and Meter Branch.*

GEORGE H. FINNERAN, *Superintendent, Distribution Branch.*

Under the control of the Division Engineer are the care and maintenance of all pipes and other fixtures and appliances for the purposes of the City's water supply, also the assessing of water rates and issuing of the bills therefor.

The total length of supply and distributing water main on December 31, 1930, was 951.34 miles; number of services actually in use, 99,891, all metered; number of public fire hydrants, 11,361, December 31, 1930.

The first water document published by the City of Boston appeared in 1825. In addition to the annual reports on the Cochituate supply, from 1850, and of the Mystic supply, from 1866, there are numerous special reports. By chapter 449, Acts of 1895, the Boston Water Board, the Water Income Department and the Water Registrar were abolished and the Water Department created, a single commissioner being entrusted with all the powers previously exercised by the Boston Water Board and the Boston Water Registrar.

A State commission, the Metropolitan Water Board, took possession, in 1898, of all of that part of the Boston water system lying westward of Chestnut Hill Reservoir, also the pumping station there, with adjacent lands. The sum paid to the City was \$12,531,000. Payments to the State by the City for its supply of water have been regularly made since 1898. Total quantity of water in the ten storage reservoirs of the Metropolitan system on January 1, 1931, 18,994,800,000 gallons, of which 70 per cent (13,260,000,000 gallons), was in the Wachusett Reservoir in Clinton, 32 miles west of Boston, an artificial lake 4,135 acres in surface area and added to the system in 1905. There are also twelve distribution reservoirs with capacity of 2,400,680,000 gallons, five pumping stations being connected with these, in which stations 29,514,000,000 gallons of

water were pumped during the year 1929. In the existing Metropolitan Water District are ten cities, besides Boston, and ten towns. Boston takes about 70 per cent of the entire water supply of the District.

The daily average amount of water used in Boston in 1930 was 92,286,000 gallons, or 118 gallons per capita.

HIGH PRESSURE FIRE SERVICE.

By the provisions of chapter 312, Acts of 1911, the Commissioner of Public Works was authorized to install an efficient system of high pressure fire service for the business center of the City. The work completed, including the old salt-water fireboat line installed in 1898, comprises 17.8 miles of pipe with 451 hydrants. Total expenditure for installation of system to Dec. 31, 1930, was \$2,166,212.23. Two pumping stations are now in use.

REGISTRY DEPARTMENT.

Office, 1002 City Hall Annex, tenth floor.

[Stat. 1892, Chap. 314; Rev. Ord. 1898, Chap. 34; C. C., Title IV., Chap. 28; Rev. Ord. 1914, Chap. 29; Ord. 1924, Chap. 1; Ord. 1924, Chap. 1.]

JAMES J. MULVEY, *City Registrar*. Term ends in 1934.

CHARLES H. MACKIE, *Assistant Registrar*.

MARGARET M. FOLEY, *Assistant Registrar*.

The City Registrar keeps the records of births, deaths and marriages, and issues certificates of all intentions of marriage. Annual reports have been published since 1849, except in 1860 and 1861.

By Ordinance, approved July 12, 1892, the Department of Ancient Records and the office of Record Commissioners (established July 6, 1875) were abolished, and the duties of the Record Commissioners, including the publication of documents relating to the early history of Boston, were transferred to the City Registrar.

SINKING FUNDS DEPARTMENT.

Office, 20 City Hall.

[R. L., Chap. 27, § 14; Rev. Ord. 1898, Chap. 35; C. C., Title IV., Chap. 9, § 5; Stat. 1909, Chap. 486, § 26; Stat. 1910, Chap. 437; Stat. 1911, Chap. 165; Rev. Ord. 1914, Chap. 31; Stat. 1914, Chap. 324; Spec. Stat. 1915, Chap. 184; Ord. 1916, Chap. 7; Ord. 1925, Chaps. 2 and 30.]

OFFICIALS.

FREDERIC J. CROSBY, *Chairman*.

RUPERT S. CARVEN, *Secretary*.

EDMUND L. DOLAN, *Treasurer*.

COMMISSIONERS.*

GUY W. COX, FREDERIC J. CROSBY. Terms end in 1931.

EUGENE M. MCSWEENEY, SAMUEL KALESKY. Terms end in 1932.

MICHAEL H. CORCORAN, WILLIAM SPOTTISWOODE. Terms end in 1933.

The Board of Commissioners of Sinking Funds for the payment or redemption of the City debt consists of six members, two of whom are appointed annually by the Mayor for a term of three years from May 1. The Board has published annual reports since 1871. The amended City Charter, Section 26, prohibits the further establishing of sinking funds, but an exception was afterwards made by the Legislature regarding loans for Rapid Transit purposes. It also prohibits the depositing of City or County money in any bank of which any member of the Board of Sinking Funds Commissioners is an officer, director or agent.

SOLDIERS' RELIEF DEPARTMENT.

Office, 60 City Hall, fifth floor.

[Gen. Laws, Chap. 115 and amendments; Rev. Ord. 1925, Chaps. 2, 3 and 31.]

JOHN J. LYDON, *Soldiers' Relief Commissioner*. Term ends in 1934.

FREDERICK W. WATKEYS, M. D., *Deputy Commissioner*.

The Soldiers' Relief Department was created as a department of the City of Boston by Chapter 441 of the Acts of 1897, and is under the charge of a commissioner appointed by the Mayor. He exercises all powers and duties for the distribution of State and City aid to soldiers in the City of Boston, such as were formerly vested in the Mayor and Board of Aldermen.

STATISTICS DEPARTMENT.

Office, 76 City Hall, seventh floor.

[Ord. 1897, Chap. 2; Rev. Ord. 1898, Chap. 37; Rev. Ord. 1914, Chap. 33; Ord. 1922, Chaps. 6 and 9; Ord. 1923, Chap. 11; Rev. Ord. 1925, Chap. 32; Ord. 1929, Chap. 4.]

OFFICIALS.

JAMES P. BALFE, *Chairman*.

EDWARD F. O'DOWD, *Secretary*.

* The Commissioners serve without compensation.

TRUSTEES.*

FREDERIC W. RUGG, Term ends in 1930.

JAMES P. BALFE. Term ends in 1931.

EDWARD G. GRAVES. Term ends in 1932.

DANIEL T. O'CONNELL. Term ends in 1933.

ROBERT DYSART. Term ends in 1934.

This department, established in 1837, is in charge of a board of five trustees, whose duty it is to collect, compile, and publish such statistics relating to the City of Boston and such other statistics, for purposes of comparison, as they may deem of public importance, as well as to provide information to the Mayor, City Council, municipal departments, and the public on request.

The Municipal Register has been compiled and edited annually by the department since 1898. Boston Statistics, including memorable sites and buildings in Boston, a pocket size compendium of detailed information and statistics, has been issued annually with a wide distribution since 1915. Much of this material is incorporated in "Organization of the City Government," an annual City Council Manual. The Boston Year Book, a much more ambitious and comprehensive work of approximately 500 pages, which elicited national approval as the first of its kind in the United States, was issued in 1924 and 1925.

CITY RECORD.

Office, 73 City Hall, seventh floor.

[Ord. 1898, Chap. 2; Rev. Ord. 1898, Chap. 37, Sect. 2; Stat. 1909, Chap. 486, Sect. 29, 30; Rev. Ord. 1914, Chap. 33, Sect. 2; Ord. 1922, Chap. 9; Rev. Ord. 1925, Chap. 32, Sect. 2.]

OFFICIALS.

FRANK H. CUSHMAN, *Editor*.

JOSHUA H. JONES, JR., *Associate Editor*.

EDWARD F. O'DOWD, *Business Agent*.

In accordance with the amended City Charter of 1909, the official weekly chronicle of Boston municipal affairs, with the title, *City Record*, was re-established in that year, after a lapse of nine years. It was issued originally in 1898 under the management of the Statistics Department.

The publication is now issued under the direction of the Mayor, who appoints the Editor and Associate Editor, while the business management is in charge of the Secretary of the Statistics Department.

* The Trustees are appointed by the Mayor, the Chairman is designated by him, and all, with the exception of the Chairman, serve without compensation.

STREET LAYING-OUT DEPARTMENT.

Main Office, 401 City Hall Annex, fourth floor.

[Gen. Laws, Chaps. 79, 80, 82, 83; Stat. 1870, Chap. 337; Stat. 1895, Chap. 449, § 23; Stat. 1897, Chap. 426; Rev. Ord. 1898, Chap. 39; Stat. 1899, Chap. 450; Stat. 1906, Chaps. 258, 393; Stat. 1907, Chaps. 403, 584; Stat. 1908, Chaps. 447, 519; C. C. Chap. 51; Stat. 1909; Chaps. 209, 486, §§ 28, 31; Stat. 1911, Chaps. 169, 415, 453, 591; Stat. 1912, Chaps. 338, 339, 371, 558, 661; Stat. 1913, Chaps. 263, 432, 536, 554, 577, 680, 799; Stat. 1914, Chaps. 119, 128, 569, 641; Rev. Ord. 1914, Chap. 34; Gen. Stat. 1915, Chap. 176 and Spec. Stat., Chap. 91; Spec. Stat. 1917, Chaps. 318, 329; Spec. Stat. 1918, Chap. 155; Spec. Stat. 1919, Chap. 224; Stat. 1920, Chaps. 74, 312, 465; Stat. 1921, Chaps. 191, 407; Stat. 1922, Chap. 316; Stat. 1923, Chap. 489; Ord. 1924, Chap. 7; Stat. 1925, Chaps. 323, 325, 333; Stat. 1930, Chap. 399.]

OFFICIALS.

THOMAS J. HURLEY, *Chairman*.

JOSEPH F. SULLIVAN, *Secretary*.

BOARD OF STREET COMMISSIONERS.

CHARLES F. BOGAN. Term ends in 1932.

THOMAS J. HURLEY. Term ends in 1933.

JOHN J. O'CALLAGHAN. Term ends in 1934.

ENGINEERING DIVISION.

WILLIAM J. SULLIVAN, *Chief Engineer*.

ARTHUR N. COLMAN, *Assistant Chief Engineer*.

A member of the Board of Street Commissioners is appointed each year by the Mayor to serve for three years from the first Monday in January. The Board has power to lay out, relocate, alter or discontinue highways in the City, to order specific repairs, also, with the approval of the Mayor, the construction of sewers and to take for the City lands for all municipal purposes. It levies the betterment assessments on estates benefited by the construction of new sewers and new or improved highways, also awards damages for takings of land, and grants to landowners permission to open private streets. In 1895 the duties of the Board of Survey were transferred to the Street Commissioners; in 1907 they were charged with the licensing of street stands for the sale of merchandise, in 1908 with the regulation of street traffic, in 1913 with the authority to grant or withhold permits for the erection of automobile garages, and in 1930 with the issuance of licenses for conducting or maintaining open-air parking spaces. The fees for these permits are: For erecting a public garage, \$100; for a business garage for trucks, \$100; repair shop, isolated, \$5.00; unit group, \$1.00 each unit; private garage for one or two cars, \$1.00, and if in excess of two cars, \$1.00 more for each such excess. There is no annual garage fee.

By the Amended City Charter of 1909 the jurisdiction previously exercised by the Board of Aldermen is vested in the Street Commissioners, with the written approval of the Mayor, as to the naming of streets, as to trees in the streets, as to permits or licenses for special use of same, including the construction of coal holes, vaults, bay windows and marquees, in, under, or over the streets, also for the location of conduits, poles and posts, and the storage of inflammables and explosives. They collect the original license of \$1.00 for selling and keeping gasoline. Renewals of fees collected by Fire Department.

As authorized by Chapter 680, Acts of 1913, the Street Commissioners issued on April 9, 1914, their "Rules and Regulations Relating to Projections on or over Public Highways." These rules were amended in 1915, as authorized by Chapter 176, General Acts of that year, the changes taking effect July 20. The penalty for disregard of said rules is a fine not exceeding five dollars for each day of negligence after five days' notice.

Fees for permits and each annual renewal thereof are fixed as follows:

Illuminated signs	\$1 00
Two-foot projecting signs (not illuminated)	50
Lettering on awnings, each	25
Lamps, unlettered	25
Marquees or awnings	1 00
Lettering or signs on marquees, each	1 00
Hoisting devices	1 00
Clocks	1 00
Lettering in sidewalks	1 00
Other structures	1 00
Signs projecting 6 inches or less	No fee
Awnings above the first story, not used for advertising purposes	No fee

Fees for open-air parking spaces:

Classification on Capacity.	Fee Per Year.
Class A (from 1 to 5 cars)	\$10 00
Class B (from 5 to 10 cars)	20 00
Class C (from 10 to 25 cars)	30 00
Class D (from 25 to 50 cars)	40 00
Class E (from 50 to 75 cars)	50 00
Class F (from 75 to 100 cars)	75 00
Class G (from 100 to 200 cars)	100 00
Class H (from 200 to 500 cars)	250 00

Above fees are for stations running all the year.

Class X	\$100 00
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Above fee for stations operating not more than six months in any year.

SUPPLY DEPARTMENT.

Office, 801 City Hall Annex, eighth floor.

[Ord. 1908, Chap. 6; Rev. Ord. 1914, Chap. 35; Ord. 1919, Chap. 6.]

PHILIP A. CHAPMAN, *Superintendent*. Term ends in 1934.

CHARLES E. THORNTON, *Chief Clerk*.

The Supply Department purchases all materials, apparatus and other supplies except printing and stationery for all departments of the City

with the exception of the School Department, Schoolhouse Department, Police Department, Library Department and the Transit Department.

TRANSIT DEPARTMENT.

Office, 1 Beacon Street, seventh floor.

[Spec. Stat. 1918, Chap. 185; Ord. 1918, Chap. 3; Ord. 1922, Chap. 1; Stat. 1923, Chaps. 399, 405, 480; Stat. 1924, Chaps. 120, 403, 444; Stat. 1925, Chaps. 52, 193, 206, 321, 341; Stat. 1929, Chaps. 297, 383; Ord. 1929, Chap. 9; Ord. 1931, Chap. 1.]

COMMISSIONERS.

THOMAS F. SULLIVAN, *Chairman*. Term ends in 1934.

NATHAN A. HELLER. Term ends in 1932.

ARTHUR B. CORBETT. Term ends in 1933.

This department was established to exercise the powers and perform the duties formerly in charge of the Boston Transit Commission, whose official existence terminated July 1, 1918.

TREASURY DEPARTMENT.

Office, City Hall, Rooms 21 and 22, first floor.

[Rev. Ord. 1898, Chap. 40; Stat. 1908, Chap. 210; Ord. 1908, Chap. 4; C. C. Title IV., Chap. 9; Stat. 1911, Chap. 413; Stat. 1913, Chaps. 367, 672, 788; Rev. Ord. 1914, Chap. 36; Stat. 1920, Chap. 140; Ord. 1920, Chap. 12; Ord. 1921, Chaps. 1 and 2; Stat. 1922, Chap. 521; Ord. 1925, Chap. 2; Ord. 1926, Chap. 1; Ord. 1930, Chap. 7.]

EDMUND L. DOLAN, *City Treasurer*. Term ends in 1934.

HORTON G. IDE, *Cashier and Acting Treasurer* in the absence of the *Treasurer*.

WALTER W. FOLEY, *Assistant Cashier*.

ARTHUR F. SWAN, *Assistant Cashier*.

The City Treasurer has the care and custody of the current funds of the City, of all moneys, properties and securities placed in his charge by any statute or ordinance, or by any gift, devise, bequest, or deposit, and pays all bills and demands against the City.

The City Treasurer is also County Treasurer and Treasurer of the Sinking Funds Dept. He publishes reports yearly, also monthly statements.

WEIGHTS AND MEASURES DEPARTMENT.

Office, 106 City Hall Annex, first floor.

[Gen. Laws, Chap. 98, §§ 34-55; Stat. 1882, Chap. 42; Rev. Ord. 1898, Chap. 43; Stat. 1909, Chap. 382; Stat. 1910, Chap. 209; Stat. 1913, Chap. 503; Stat. 1914, Chaps. 346, 379, 452; Rev. Ord. 1914, Chap. 37; Gen. Stat. 1915, Chap. 253; Gen. Stat. 1916, Chap. 120; Gen. Stat. 1919, Chaps. 91, 128; Ord. 1919, Chap. 1; Stat. 1920, Chaps. 259, 369; Ord. 1923, Chap. 4.]

JAMES A. SWEENEY, *Sealer*.

WALTER L. FINIGAN, *Chief Clerk*.

JOHN J. MARTIN, *Chief Deputy*.

Deputy Sealers.—CHARLES E. WALSH, LOUIS HERTGEN, BENJAMIN LEBOWITZ, THOMAS A. KELLEY, JOHN A. GARGAN, WILLIAM D. FAY, MARTIN J. TRAVERS, EDWARD J. McMANUS, FRANCIS A. TRAYERS, LAWRENCE J. LEWIS, THOMAS J. DUFFLEY, EDWARD J. KEELER, JOSEPH F. COUGHLIN, WILLIAM P. J. DELANEY. PHILIP F. LEONARD, *Mechanician*. ROBERT E. SEXTON, *Coal Inspector*.

This department is in charge of the Sealer.

The standards in use are supplied by the Commonwealth and a standardization is made every five years by the Division of Standards, Commonwealth of Massachusetts. The office was authorized by ordinance in 1890. Annual reports have been published beginning in 1864. By Chapter 382, Acts of 1909, all principal and assistant sealers are included within the classified civil service.

In 1631, through an order of Court of Assistants, held at Boston, every plantation within the limits of the Patent was required to have weights and measures compared and sealed with those in possession of the governor.

In 1635 James Pen, Sheriff, was appointed to test and seal weights and measures in general use.

VARIOUS CITY, COUNTY AND
STATE DEPARTMENTS.

VARIOUS CITY, COUNTY AND STATE OFFICERS.

The following table shows the manner in which public officers, other than the regular City department heads, are appointed or elected as prescribed by statute, ordinance, or regulation, the time of appointment or election, the term of office, of each officer.

OFFICERS.	How Created.	APPOINTED OR ELECTED.		TERM.	
		By Whom.	When.	Begins.	Length.
Board of Commissioners of School Buildings (three) ..	Statute	***	Annually one.	.....	3 yrs.
Boston and Cambridge Bridges Commiss'n (two).	"	Mayor...	.....	.....	.....
Boston Finance Commission (five).	"	Governor A	Annually one.	.....	5 yrs.
Boston Port Authority (five),	"	****	.....	.....	5 "
Franklin Foundation (twelve Managers).	"	Supreme Court.	B	.....	.....
Licensing Board (three)....	"	Governor A	Biennially one.	.....	6 yrs.
Loan Assoc'n, Workingmen's, one Director.	"	Mayor...	Annually..	3d Thu. in Apr.	1 yr.
Loan Comp'y, Chattel, one Director.	"	" ...	" ..	.....	1 "
Loan Comp'y, Collateral, one Director.	"	" ...	" ..	3d Wed. in Dec.	1 "

A With the advice and consent of the Executive Council.
B As vacancies occur.
*** Appointing power shared by the Mayor, School Committee and board members. (See Stat. 1929, Chap. 351.)
**** Three members appointed by the Mayor and two appointed by the Governor.

OFFICERS.	How Created.	APPOINTED OR ELECTED.		TERM.	
		By Whom.	When.	Begins.	Length.
Old South Assoc'n (three Managers).	Statute.	City Council.	Annually.	When elected.	1 yr.
Medical Examiners (two)...	"	Governor	.....	.....	7 yrs.
Police Commissioner.....	"	"	.....	1st Mon. in June	5 "
School Committee (five)...	"	Elected...	City election	1st Mon. in Jan'y	4 "
Undertakers.....	"	Health Dept.	Annually.	May 1..	1 yr.
Officers Paid by Fees:*					
Constables.....	"	Mayor....	"	1..	1 "
Fence-viewers†	"	"	"	1..	1 "
Inspectors of hay and straw, lime, petroleum, etc.	"	"	"	1..	1 "
Gaugers of liquid measures,	"	"	"	1..	1 "
Measurers of grain, upper leather, wool and bark.	"	"	"	1..	1 "
Superintendents of hay scales.	"	"	"	1..	1 "
Weighers of boilers and heavy machinery, coal.	"	"	"	1..	1 "

* Confirmed by City Council.

† Two inspectors in the Building Dept. act as Fence-viewers.

VARIOUS CITY, COUNTY AND STATE OFFICERS, DEPARTMENTS, COMMIS- SIONS, COURTS, ETC.

BOSTON AND CAMBRIDGE BRIDGE COMMISSION.

Office, 602 City Hall Annex, fifth floor.

[Stat. 1870, Chaps. 300, 302; Stat. 1898, Chap. 467, § 14; Ord. 1906, Chap. 1; C. C., Chap. 35, §§ 2, 4 and 5; Stat. 1912, Chap. 92; Stat. 1921, Chap. 497.]

JOSEPH A. ROURKE, *Commissioner for Boston.*

WILLIAM R. McMENIMEN, *Commissioner for Cambridge.*

JOHN J. O'NEIL, *Secretary.*

This Commission was established in 1870, to have charge of the maintenance of the West Boston, Canal or Craigie's, and the Prison Point bridges. In 1892 the Harvard bridge was placed in their charge. The powers of the Commission were greatly enlarged in 1898 when all bridges and draws between the two cities were placed in their charge. The expense of maintenance is borne equally by the City of Boston and the City of Cambridge. The two Commissioners are appointed by the Mayors of Boston and Cambridge respectively. The Commissioner for Boston, who serves without pay, is the Commissioner of Public Works.

BRIDGES IN CHARGE OF THE COMMISSIONERS.*

Anderson Bridge, from Brighton to Cambridge.

Longfellow, from Boston to Cambridge.

Cambridge street-River street, from Brighton to Cambridge.

Prison Point, from Charlestown to Cambridge.

Western avenue, from Brighton to Cambridge.

Cottage Farm Bridge, from Boston to Cambridge.

DEPARTMENT OF SCHOOL BUILDINGS.

BOARD OF COMMISSIONERS OF SCHOOL BUILDINGS.

Office, 11 Beacon Street.

[Acts of 1929, Chap. 351.]

RICHARD J. LANE, *Chairman*, appointed by School Committee. Term ends Dec. 1, 1931.

JAMES T. MORIARTY, appointed by Mayor. Term ends Dec. 1, 1932.

STEPHEN W. SLEEPER, choice of other two. Term ends Dec. 1, 1933.

LOUIS K. ROURKE, *Superintendent of Construction.*

* All the bridges in this list are over navigable waters.

At the City Election held November 5, 1929, on the referendum — Shall chapter 351, of the Acts of 1929, entitled “An Act to establish a board of commissioners of school buildings and a department of school buildings in the city of Boston” be accepted? there were 110,453 votes in favor, 57,276 against, and 50,632 blanks.

By the provisions of the Act the board “shall consist of three citizens of Boston who otherwise are neither officials nor employees of said city, one of whom shall be appointed by the mayor . . . without approval by the civil service commissioners, one by the school committee and one shall be chosen by the two so appointed or shall be appointed by the governor if the appointees of the mayor and school committee fail to choose a commissioner as aforesaid within thirty days after a second of such appointees has been appointed.”

According to section 2 of the Act the Department of School Buildings is established, to be under the charge of a superintendent of construction who shall be elected by the board of commissioners, to serve at the pleasure of the board.

Upon the election of a superintendent of construction, the board of schoolhouse commissioners of the schoolhouse department and said department shall be abolished.

BOSTON FINANCE COMMISSION.

Office, 24 School Street.

[Stat. 1909, Chap. 486, §§ 17–21; Stat. 1921, Chap. 81; Stat. 1923, Chap. 489; Stat. 1924, Chap. 369; Stat. 1925.]

OFFICIALS.

FRANK A. GOODWIN, *Chairman*.

ROBERT E. CUNNIFF, *Secretary*.

COMMISSIONERS.

FRANK A. GOODWIN. Term ends in 1934.

WILLIAM T. KEOUGH. Term ends in 1930.

COURTENAY GUILD. Term ends in 1932.

JOSEPH A. SHEEHAN. Term ends in 1933.

The Finance Commission is constituted under the Amended Charter of 1909. It consists of five commissioners appointed by the Governor and confirmed by the Executive Council, the term of each being five years. The chairman of the Commission is named by the Governor. The members of the Commission, other than the chairman, serve without pay.

It is the duty of the Commission to investigate, at its discretion, all matters relating to appropriations, loans, expenditures, accounts and methods of administration affecting the City of Boston or the County

of Suffolk, or any of their departments, and to report upon its investigations from time to time to the Mayor, the City Council, the Governor or the General Court.

The Commission is required to make an annual report, in January, to the General Court. It is also the duty of the Commission to report to the Mayor, the City Auditor or the City Treasurer as to the validity or proper amount of any doubtful pay roll, bill or claim referred to it by them.

BOSTON PORT AUTHORITY.

Office, Custom House, 16th floor.

[Chap. 229, Acts 1929.]

The Boston Port Authority is an unpaid board consisting of two persons appointed by the Governor and three persons appointed by the Mayor of the City of Boston for a term of five years each.

The board shall, from time to time, investigate any and all matters relating to the Port of Boston, particularly with reference to the unification of overseas terminals, belt line connections, rates, rules, grain elevator and warehouse facilities, and other conditions affecting the Port, and may initiate or participate in any rate proceedings or investigations concerning the Port of Boston.

APPOINTED BY THE MAYOR.

LOUIS E. KIRSTEIN, *Chairman*. Term ends in 1935.

THOMAS J. A. JOHNSON. Term ends in 1935.

FRANK S. DAVIS. Term ends in 1935.

APPOINTED BY THE GOVERNOR.

RICHARD PARKHURST, *Vice Chairman and Secretary*. Term ends in 1935.

CHARLES E. WARE, JR. Term ends in 1935.

EXECUTIVE SECRETARY.

GEORGE P. TILTON.

COUNTY OF SUFFOLK.

County Commissioners for the County of Suffolk.—The MAYOR and CITY COUNCIL of Boston.

County Auditor.—RUPERT S. CARVEN.

County Treasurer.—EDMUND L. DOLAN.

DISTRICT ATTORNEY.

Room 218, Court House.

[Gen. Laws, Chap. 12, sec. 12, etc.; Stat. 1910, Chaps. 373, 439; Stat. 1912, Chap. 576; Stat. 1913, Chap. 602; Gen. Stat. 1919, Chap. 269; Stat. 1920, Chap. 451; Stat. 1922, Chap. 277; Stat. 1923, Chaps. 398, 485.]

District Attorney.— WILLIAM J. FOLEY. Elected by the people in 1926 for term of four years ending January, 1931.

Assistant.— Frederick M. J. Sheenan.

Assistant.— Frank J. Hickey.

Assistant.— Daniel J. Gillen.

Assistant.— Frederick T. Doyle.

Assistant.— William M. Gaddis.

Assistant.— Joseph Sullivan.

Assistant.— David Lasker.

Assistant.— William J. Sullivan.

Assistant.— William J. McDonough.

Assistant.— Joseph A. Scolponeti.

Assistant.— John J. Murphy.

LAND COURT.

Room 408, Court House.

Judge.— Charles Thornton Davis. Appointed by the Governor.

Associate Judge.— Joseph J. Corbett. Appointed by the Governor.

Associate Judge.— Clarence C. Smith. Appointed by the Governor.

Recorder.— Charles A. Southworth. Appointed by the Governor for term of five years ending in 1928.

INDEX COMMISSIONERS.

Commissioners.— Ralph W. E. Hopper, term ends in 1933. Edward W. Bancroft, term ends in 1931. Albert L. Partridge, term ends in 1932.

Clerk.— William J. Kurth.

Appointed in March, one each year, by a majority of the Justices of the Superior Court for a term of three years beginning April 1, and serve without pay.

REGISTER OF DEEDS.

[Gen. Laws, Chap. 36; Stat. 1895, Chap. 493; Stat. 1904, Chap. 452; Stat. 1910, Chap. 373; Stat. 1913, Chap. 737; Gen. Stat. 1919, Chap. 269; Stat. 1920, Chap. 495.]

Register of Deeds.— W. T. A. Fitzgerald. Elected by the people in 1928. Term ends in January, 1935. The Register is *ex officio* Assistant Recorder of the Land Court.

First Assistant Register.— John J. Attridge. Appointed by the Register.

Second Assistant Register.— John W. Johnson. Appointed by the Register.

SHERIFF AND DEPUTY SHERIFFS.

[Gen. Laws, Chap. 37; Stat. 1910, Chap. 373; Gen. Stat. 1919, Chap. 269; Stat. 1922, Chap. 525.]

Sheriff.— John A. Keliher. Elected by the people, November 9, 1926. Term ends in January, 1933. As Jailer he receives additional compensation.

Deputy Sheriffs for Service of Writs.— Daniel A. Whelton (Special Sheriff), Henry G. Gallagher, Richard F. Sweeney, John J. Horgan, John J. Casey, James P. Keliher, Thomas J. Wilson, Thomas F. Donovan. Paid by fees.

Deputy Sheriffs for Court Duty.— William J. Leonard, *Chief Deputy Sheriff*, William T. McDermott, William A. McDevitt, Richard J. Murray, Oscar L. Strout, Andrew J. Crotty, Frank C. Pierce, Eugene Lake-marsin, John A. Finley, John F. Glynn, Thomas F. Lally, James Haliburton, Patrick Daley, William J. Grimes, John Murray.

All debts and expenses of the County of Suffolk are borne by the City of Boston, unless otherwise specified.

COURTS AND COURT OFFICIALS.

Offices in Court House, Pemberton square, except as otherwise specified.

SUPREME JUDICIAL COURT.

Chief Justice.— Arthur P. Rugg.

Associate Justices.— Fred T. Field, John C. Crosby, Edward P. Pierce, James B. Carroll, William C. Wait, George A. Sanderson.

Clerk for the Commonwealth.— Walter F. Frederick. Appointed by the Court.

Clerk for the County of Suffolk.— John F. Cronin. Elected by the people in 1928. Term ends in January, 1935.

Assistant Clerks.— John H. Flynn, Joseph Riley.

Reporter of Decisions.— Ethelbert V. Grabill. Appointed by Governor.

SUPERIOR COURT.

Chief Justice.— Walter Perley Hall.

Associate Justices.— Marcus Morton, John D. McLaughlin, Patrick M. Keating, James H. Sisk, Webster Thayer, Franklin T. Hammond, Nelson P. Brown, Louis S. Cox, Frederick W. Fosdick, Elias B. Bishop, Henry T. Lummus, William A. Burns, Stanley E. Qua, Alonzo R. Weed, Frederick J. McLeod, Joseph Walsh, Winfred H. Whiting, Edward T. Broadhurst, Frederic B. Greenhalge, Charles H. Donahue, Wilford D. Gray, David F. Dillon, Harold P. Williams, Walter L. Collins, Daniel T. O'Connell, Thomas J. Hammond, John M. Gibbs, Raoul H. Beaudreau, Edward F. Hanify, Abraham E. Pinanski, James O. Donnelly.

FOR CIVIL BUSINESS.

Clerk.— Francis A. Campbell. Elected by the people in 1928. Term ends in January, 1935.

Assistant Clerk in Equity.— James F. McDermott.

Assistant Clerks.— John L. Maccubbin, First Assistant, George E. Kimball, Florence J. Mahoney, Charles J. Hart, Francis P. Ewing, Frank H. Hallett, Michael E. Leen, Albert E. Macdonald, D. Pulsifer Colville, George A. Scheele, Francis P. Murphy, Clesson S. Curtice, Michael F. Hart.

FOR CRIMINAL BUSINESS.

Clerk.— John R. Campbell. Elected by the people in 1928. Term ends in January, 1935.

First Assistant Clerk.— Julian Seriack.

Assistant Clerks.— William M. Prendible, John H. Casey, Edward V. Keating, Leonard W. McClay.

COURT OF PROBATE AND INSOLVENCY.

[Gen. Laws, Chap. 217; Stat. 1904, Chap. 455; Stat. 1910, Chap. 374; Stat. 1912, Chap. 585; Stat. 1913, Chap. 791; Gen. Stat. 1919, Chap. 269; Stat. 1921, Chaps. 486, 487; Stat. 1922, Chap. 532.]

Judge.— William M. Prest.

Judge.— Arthur W. Dolan.

Register.— Arthur W. Sullivan.

First Assistant Register.— John R. Nichols.

Second Assistant Register.— Clara L. Power.

Third Assistant Register.— Frederick J. Finnegan.

The Judges of Probate are appointed by the Governor. They and the three other officials of this Court are paid by the State.

MUNICIPAL COURT OF THE CITY OF BOSTON.

[Gen. Laws, Chap. 218; Stat. 1907, Chap. 179; Stat. 1908, Chap. 191; Stat. 1909, Chaps. 386, 434; Stat. 1911, Chaps. 231, 469, § 5; Stat. 1912, Chaps. 648, 649, 660, 672; Stat. 1913, Chaps. 289, 430, 612, 716, 748; Stat. 1914, Chaps. 35, 409; Gen. Stat. 1915, Chap. 166; Gen. Stat. 1916, Chaps. 69, 71, 109, 195, 261, 263; Gen. Stat. 1917, Chaps. 262, 330; Gen. Stat. 1918, Chap. 250; Stat. 1920, Chaps. 553, 614; Stat. 1921, Chap. 284; Stat. 1922, Chaps. 309, 399, 532.]

Chief Justice.— Wilfred Bolster.

Associate Justices.— Michael J. Murray, John Duff, Thomas H. Dowd, Joseph T. Zottoli, James H. Devlin, Charles L. Carr, Elijah Adlow, Francis J. Good.

Special Justices.— John A. Bennett, Abraham K. Cohen, John G. Brackett, Joseph A. Sheehan, Joseph E. Donovan, S. Delano Putnam.

All judges appointed by the Governor, subject to confirmation by the Executive Council.

Terms of the Court.

FOR CIVIL BUSINESS.— Every Saturday at 9 A. M., for trial of civil causes not exceeding \$5,000.

Clerk.— William F. Donovan. Appointed by the Governor.

Assistant Clerks.— Volney D. Caldwell, James F. Tobin, Louis B. Torrey, Arthur W. Ashenden, Joseph L. Pierce, George F. Devine, William F. Blakeman, Charles F. Gardella, Edward H. Barry, Roger W. Brown.

FOR CRIMINAL BUSINESS.— Every day in the week (Sundays and legal holidays excepted) at 9 A. M., for the trial of criminal causes.

Clerk.— Edward J. Lord. Appointed by the Governor.

Assistant Clerks.—Harvey B. Hudson, Charles T. Willock, James G. Milward, George A. Savage, Paul W. Carey, James F. Hardy, Edwin A. Chalmers, George W. Herman. Appointed by the Clerk of the Court with the approval of the Justices.

MUNICIPAL COURT, BRIGHTON DISTRICT.

Cambridge street, corner of Henshaw street.

Justice.—Thomas H. Connelly.

Special Justices.—Robert W. Frost and Harry C. Fabyan.

Clerk.—Daniel F. Cunningham. Appointed by the Governor.

Assistant Clerk.—Mary C. Daly.

MUNICIPAL COURT, CHARLESTOWN DISTRICT.

New Municipal Building, City square.

Justice.—Charles S. Sullivan.

Special Justices.—Willis W. Stover and William H. McDonnell.

Clerk.—Mark E. Smith. Appointed by the Governor.

Assistant Clerk.—James J. Mullen, Jr.

Second Assistant Clerk.—George E. Irving.

MUNICIPAL COURT, DORCHESTER DISTRICT.

Washington street and Melville avenue.

Justice.—Richard M. Walsh.

Special Justices.—Michael H. Sullivan, Jacob J. Kaplan and Sadie L. Shulman.

Clerk.—Alpheus Sanford. Appointed by the Governor.

Assistant Clerk.—Frederick E. Simmons and Jenny S. Thurlow.

EAST BOSTON DISTRICT COURT.

Court House, corner of Meridian and Paris streets, East Boston.

Justice.—Joseph H. Barnes.

Special Justices.—Charles J. Brown and Patrick J. Lane.

Clerk.—John S. C. Nicholls. Appointed by the Governor.

Assistant Clerk.—Augustus Loschi.

Second Assistant Clerk.—Grace M. Dalton.

MUNICIPAL COURT, ROXBURY DISTRICT.

Court House, Roxbury street.

Justice.—Albert F. Hayden.

Special Justices.—Joseph N. Palmer, Timothy J. Ahern and Franklin W. L. Miles.

Clerk.—Fred E. Cruff. Appointed by the Governor.

First Assistant Clerk.—Henry F. Ryder.

Second Assistant Clerk.—Charles A. Moore.

Third Assistant Clerk.—Edward J. Enos.

MUNICIPAL COURT, SOUTH BOSTON DISTRICT.

New Municipal Building, East Broadway.

Justice.— Edward L. Logan.*Special Justices*.— Josiah S. Dean, William J. Day.*Clerk*.— Adrian B. Smith. Appointed by the Governor.*Assistant Clerk*.— Harry W. Park.

MUNICIPAL COURT, WEST ROXBURY DISTRICT, INCL. HYDE PARK.

Court House, Morton street, Forest Hills.

Justice.— John Perrins.*Special Justices*.— Frank S. Deland, Bert E. Holland and Thomas H. Bilodeau.*Clerk*.— George B. Stebbins. Appointed by the Governor.*Assistant Clerk*.— Sidney T. Knott.*Second Assistant Clerk*.— Caroline M. Adams.

BOSTON JUVENILE COURT.

Room 127, Court House.

[Chap. 334, Acts of 1903; Chap. 489, Acts of 1906; Gen. Stat. 1919, Chap. 255; Stat. 1922, Chap. 399.]

Justice.— Frederick P. Cabot.*Special Justices*.— Frank Leveroni, Philip Rubenstein.*Clerk*.— John F. Lane.

Chapter 489 of the Acts of 1906, establishing a court to be known as the Boston Juvenile Court for the "Care, Custody and Discipline of Juvenile Offenders," provides for the transfer to said court of the jurisdictions, authority and powers hitherto vested in the Municipal Court of Boston, under Chapter 334 of the Acts of 1903. The act took effect September 1, 1906.

The Justice, Special Justices and Clerk of this Court are appointed by the Governor. The Justice of the Court is empowered to appoint two probation officers, and so many assistant probation officers as he may deem necessary.

PROBATION OFFICERS.

[Stat. 1891, Chap. 356; Stat. 1892, Chaps. 242, 276; Stat. 1897, Chap. 266; Stat. 1910, Chap. 332; Stat. 1913, Chap. 612; Stat. 1914, Chap. 491; Gen. Stat. 1917, Chap. 135.]

These officers are appointed by the judges of the respective criminal courts to ascertain all facts relating to the offenders brought before the courts. In the performance of their official duties they have all the powers of police officers.

MUNICIPAL COURT OF THE CITY OF BOSTON.

Chief Probation Officer.— Albert J. Sargent.*Medical Director*.— C. Edouard Sandoz, M. D.*Assistant Medical Director*.— Anna E. Parker, M. D.

Probation Officers.—Francis A. Dudley, Albert H. Davis, Francis A. McCarthy, Frank E. Hawkes, James H. Knight, Eugene J. Callanan, Edward F. Coughlin, Frank L. Warren, William J. Joyce, John P. Bogan, George J. McDonnell, Thomas G. Davis, Oswald J. McCourt, Joseph W. Crockwell, Addison T. Ridlon, Francis L. Colpoys, Albert L. Hoskins, Bruce A. Stevens, Mary L. Brinn, Elizabeth A. Lee, Margaret H. Markham, Alfretta P. McClure, Theresa C. Dowling, Annie M. Kennedy, Alice D. Keating, Eleanor F. Holland, Bessie G. Kaufman, Betsey P. Jaques, Mary A. Hall.

BOSTON JUVENILE COURT.—Walter C. Bell, Edward J. O'Mara, Galene Philadelphus, C. Elliott Sands.

MUNICIPAL DISTRICT COURTS.

Brighton.—Edward J. Drummond. *Charlestown.*—James D. Coady, Mrs. Ellena M. Foley, William E. Carney. *Dorchester.*—Reginald H. Mair, Scott H. Rose. *East Boston.*—Dennis J. Kelleher, Frederick L. O'Brien. *Roxbury.*—Thomas F. Teehan, Ulysses G. Varney, Edward A. Fallon, Matthew M. Leary, John L. Letzing, Thomas Grieve, Kathryn M. Quealey, William H. Murray, Thomas M. Gimenilli, Elizabeth D. Kingston. *South Boston.*—Clayton H. Parmelee, Ellen McGurty, James F. Gleason. *West Roxbury.*—Clifford E. Smith, Thomas H. Staples.

SUPERIOR COURT.

Chief Probation Officer.—Henry C. McKenna.

John J. Barter, Joseph A. McManus, Arthur R. Towle, William A. Maloney, Edward A. Griffin, James E. Donovan, Harry Keenan, Ralph L. Countie, John J. Moriarty, Ellen L. Cuniff, Mary A. Robinson, Alice B. Monks, Alice P. Mayers, Mary E. Power.

MEDICAL EXAMINERS FOR SUFFOLK COUNTY.

[Gen. Laws, Chap. 38; Stat. 1908, Chap. 424; Stat. 1909, Chap. 273; Stat. 1911, Chaps. 252, 274; Stat. 1912, Chaps. 466, 631; Gen. Stat. 1916, Chap. 114; Gen. Stat. 1919, Chap. 216; Stat. 1920, Chap. 188.]

The County is divided into two medical districts, Northern and Southern, by a line beginning at the junction of the Brookline line with Huntington avenue; thence through Huntington avenue and Fencourt; thence through middle of Fens, through Boylston, Berkeley and Providence streets, Park square, Boylston and Essex streets, Atlantic avenue and Summer street to Fort Point Channel; thence through said channel, Dover street, Dorchester avenue, Dorchester street, East Fourth and G streets to the harbor.

Medical Examiners.—Northern Division, George B. Magrath, M. D., 274 Boylston street. Term ends in 1936. Southern Division, Timothy Leary, M. D., 44 Burroughs street, Jamaica Plain. Term ends in 1931.

Associate Medical Examiners.—William H. Watters, M. D., 109 Mt. Vernon street, for Southern Division. Term ends in 1931. William J. Brickley, M. D., 496 Commonwealth avenue, for Northern Division. Term ends in 1934.

All are appointed by the Governor for a term of seven years.

Location of Northern District Mortuary, 18 North Grove street; Southern District Mortuary, on City Hospital grounds.

FRANKLIN FOUNDATION.

[Stat. 1905, Chap. 488; Stat. 1908, Chap. 569; Stat. 1926, Chap. 40; C. C., Chap. 48, § 5.]

MEMBERS OF THE CORPORATION AND MANAGERS OF THE FRANKLIN FUND.

EVERETT MORSS, *President*.

JAMES J. PHELAN, *Vice President*.

REV. CHARLES E. PARK, *Secretary*.

CHARLES E. COTTING, *Treasurer*.

MANAGERS.*

JAMES M. CURLEY, Mayor of Boston, *ex officio*.

REV. CHARLES E. PARK (Congregational minister), *ex officio*.

REV. FRANCIS E. WEBSTER (Episcopalian minister), *ex officio*.

REV. DONALD W. MACLEOD (Presbyterian minister), *ex officio*.

CHARLES E. COTTING, HENRY B. SAWYER, LOUIS K. ROURKE, CHARLES R. GOW, EVERETT MORSS, J. FRANK O'HARE, JAMES J. PHELAN.
Appointed by the Supreme Judicial Court.

FRANKLIN UNION, corner Appleton and Berkeley streets.

WALTER B. RUSSELL, *Director*.

The Franklin Foundation is incorporated under Chapter 569 of the Acts of 1908, a board of twelve citizens being named therein as Managers of the Franklin Fund and having the standing of a City department with the object of maintaining the Franklin Union as an independent industrial school and technical institute for adults.

The Franklin Fund is the proceeds of a bequest of one thousand pounds to "the Inhabitants of the Town of Boston in Massachusetts" made by Benjamin Franklin, in a codicil to his will dated June 23, 1789. The codicil provided that the fund "if accepted by the inhabitants of the Town of Boston" be managed "under the direction of the Selectmen, united with the Minister of the oldest Episcopalian, Congregational, and Presbyterian Churches in that Town," who were to make loans on certain conditions to "young married artificers under the age of twenty-five years."

* The Managers serve without compensation.

Dr. Franklin, who died April 17, 1790, calculated that, in one hundred years, the thousand pounds would grow to £131,000, "of which," he says, "I would have the managers then lay out at their discretion £100,000 in Public Works which may be judged of most general utility to the Inhabitants. The remaining £31,000, I would have continued to be let out on interest for another hundred years. At the end of this second term, if no unfortunate accident has prevented the operation, the sum will be £4,061,000, of which I leave £1,061,000 to the Town of Boston, and £3,000,000 to the disposition of the Government of the State, not presuming to carry my views farther." The Town accepted the donation at a Town Meeting held June 1, 1790.

A futile suit brought by the Franklin heirs in 1891 prevented the division of the fund at the expiration of one hundred years; but on January 17, 1894, by direction of the three ministers and the Board of Aldermen of the City, which board claimed to be the successors of the "Selectmen," \$329,300.48 ($\frac{100}{131}$ of the fund) was paid to the City Treasurer, for "the purchase of land and the erection thereon of the Franklin Trades School and for the equipment of the same." Owing to a series of complications the money remained in the custody of the Treasurer. Mayor Collins, in 1902, caused a petition of the City to be filed in the Supreme Court, praying for instructions as to the authority of the persons then acting as Managers of the fund. The Court rendered an opinion November 25, 1903 (184 Mass. 373, page 43), to the effect that the three ministers were Managers of the fund under Franklin's will, but that the Aldermen did not succeed the "Selectmen" as Managers and had no powers with reference to it. The Court, under its general power to care for public charitable funds, appointed, on March 16, 1904, a Board of Managers to take the place of the "Selectmen," and provided in the decree of the Court, that the Mayor of Boston should be one, *ex officio*.

On December 2, 1905, the City Treasurer received from Mr. Andrew Carnegie \$408,396.48, said sum being equal to the amount of the Franklin Fund in August, 1904, which Mr. Carnegie agreed to duplicate. Only the annual income from this fund is used.

On November 17, 1927, \$100,000 was received by the Foundation from the estate of the late James J. Storrow, the income to be used for maintenance of Franklin Union.

On January 31, 1907, the amount of the "accumulated" fund available for expenditure by the Managers was \$438,741.89, and in that year the Franklin Union Building was erected at the corner of Appleton and Berkeley streets. It was opened for the use of Franklin Union in September, 1908. This is maintained partly by tuition fees, rents, etc., \$108,980.50 total in year 1927, including the income from the above mentioned Franklin Fund (*i. e.*, the Andrew Carnegie Donation), which fund amounted to \$434,478 on January 31, 1928. The building contains 24 classrooms, 6 draughting rooms, and 9 shops and laboratories, where 1,987 adult students received instruction at evening sessions and 49 in day courses during the year 1927. There is also a technical and scientific library,

and a large hall with a seating capacity of 1,000. The building with equipment cost \$430,045.69. The site, containing about 16,000 square feet, was purchased in 1906 for \$100,000, a 20-year loan being issued to cover same.

The Franklin Fund will become available in 1991.

LICENSING BOARD.

Office, 1 Beacon Street, Eighth Floor.

Acts 1906, Chap. 291; 1907, Chap. 214; 1909, Chaps. 221, 387, 423; Special Acts 1915, Chap. 313; 1917, Chap. 145; 1918, Chap. 259; General Laws, Chap. 136, 138 & 140; Acts 1920, Chap. 47; Acts 1921, Chap. 59; 1922, Chaps. 392 & 485; 1925, Chap. 284; 1926, Chaps. 299 & 395; 1927, Chap. 326.

OFFICIALS.

DAVID T. MONTAGUE, *Chairman*.

LOUIS EPPLE, *Secretary*.

THE BOARD.

DAVID T. MONTAGUE. Term ends in 1932.

ARTHUR J. SELFRIDGE. Term ends in 1934.

MARY E. DRISCOLL. Term ends in 1936.

The Licensing Board for the City of Boston was established in 1906, chapter 291. It consists of three members appointed by the governor, with the advice and consent of the council. They must be citizens of Boston who have resided in Boston for at least two years preceding the date of their appointment. The two principal parties must be represented and the term of the members is fixed at six years after the first appointment which was for six, four and two years. The board was created to exercise all the powers and perform all the duties conferred upon the Board of Police of the City of Boston relative to intoxicating liquors, innholders, common victuallers, billiard and pool tables, sippio tables, bowling alleys, intelligence offices, picnic groves and skating rinks.

The fee fixed by the statute on all but liquor licenses, common victuallers and innholders is not less than \$2 for each license. Sec. 202, Chap. 140, General Laws. Liquor license fees are fixed by Sec. 19, Chap. 138, General Laws. Innholders and common victuallers fees are fixed at not more than \$5 for each license. Sec. 2, Chap. 140, General Laws.

In 1909, Chap. 423, the board was given the right to issue licenses to "Sunday dealers in ice cream, confectionery, soda water and fruit," the fee for such licenses not to exceed \$5.

In 1918, Chap. 259, the board was granted the right to issue licenses to lodging houses. No fee was to be charged. In 1921, Chap. 59, a fee of not more than \$2 was allowed if established by the city council. The council established the fee at \$2 in 1922.

In 1920, Chap. 47, the legislature transferred the issuing of licenses for roller skating, carrousels, inclined railways, ferris wheels and outdoor exhibitions of fire fighting to this board. Now Chap. 140, General Laws, Sec. 186. The fee not to be less than \$2 for each license, Sec. 202.

In 1922, Chap. 392, the board was given the right to license "retail vendors of Soft Drinks." The fee for such license was not to exceed \$1.

In 1922, Chap. 485, the "firearm" law was amended giving the licensing of vendors of firearms to this board. The law relates to the renting, selling or leasing of firearms and the word firearms includes a pistol, revolver, or other weapon from which a shot or bullet can be discharged and of which the length of barrel not including any revolving, detachable or magazine breach does not exceed twelve inches. It does not include antique firearms incapable of use, nor to sales of firearms at wholesale. The fee for such license to be fixed by the board.

In 1926, Chap. 299, the board was given the right to grant entertainment licenses in places where such entertainment was carried on in conjunction with sale for cash of food or drink. No fee was to be charged to common victuallers and innholders carrying on such entertainment, but a fee of \$5 could be charged to persons selling drinks who carried on an entertainment. Entertainments consist of dancing, music, cabaret, or amusements.

OLD SOUTH ASSOCIATION IN BOSTON.

[Stat. 1877, Chap. 222, §§ 1, 2.]

The Mayor, *ex officio*, Councilors LAURENCE CURTIS, 2D, and MICHAEL J. MAHONEY, Managers on the part of the City of Boston.

The association is managed by a Board of Managers, consisting of fifteen, of whom the Mayor of the City of Boston is one, *ex officio*, two are elected annually by the City Council for the municipal year, and the others are chosen as provided by statute.

CHATTEL LOAN COMPANY.

[Stat. 1907, Chap. 415; Stat. 1908, Chap. 236.]

The board of directors of the Chattel Loan Company must include one member who is appointed by the Governor and one by the Mayor.

SAMUEL BLOOM, *Director*. Appointed by the Mayor.

COLLATERAL LOAN COMPANY.

[Stat. 1859, Chap. 173, § 6; Stat. 1865, Chap. 14; Stat. 1876, Chap. 11.]

The Collateral Loan Company is managed by seven directors selected annually, five chosen by the corporators at the annual meeting in December, one appointed by the Governor and one by the Mayor.

PETER A. DONOVAN, *Director*. Appointed by the Mayor.

WORKINGMEN'S LOAN ASSOCIATION.

[Stat. 1888, Chap. 108, § 4.]

The Workingmen's Loan Association is managed by sixteen directors selected annually, fourteen chosen by corporators at the annual meeting on the third Thursday in April, one appointed by the Governor and one appointed by the Mayor.

FREDERICK M. J. SHEENAN, *Director*. Appointed by the Mayor.

POLICE DEPARTMENT.

Office, 154 Berkeley Street.

[Stat. 1878, Chap. 244; Stat. 1885, Chap. 323; Stat. 1895, Chap. 449, § 26; Stat. 1906, Chap. 291; Stat. 1907, Chaps. 387, 513, 560; Stat. 1908, Chaps. 480, 519; C. C., Stat. 1909, Chaps. 221, 311, 538; Stat. 1911, Chap. 287; Stat. 1913, Chaps. 236, 263, 592; Gen. Stat. 1915, Chap. 91; Gen. Stat. 1916, Chap. 87; Gen. Stat. 1917, Chap. 29, and Spec. Stat. 1917, Chaps. 145, 307; Gen. Stat. 1919, Chap. 259; Spec. Stat. 1919, Chaps. 23, 93, 188; Stat. 1920, Chaps. 6, 7, 8, 13, 68, 211; Stat. 1921, Chap. 114; Stat. 1922, Chap. 521, § 31; Stat. 1923, Chaps. 30, 242, 289; Stat. 1924, Chap. 311, sect. 2, Chaps. 371, 410; Stat. 1925, Chaps. 284, 331; Stat. 1926, Chaps. 108, 247, 379, sect. 1, Chap. 395; Stat. 1927, Chaps. 30, 163, 157, 326; Stat. 1929, Chaps. 3, 263; Stat. 1930, Chaps. 241, 387, 392.]

EUGENE C. HULTMAN, *Police Commissioner*.

BERNARD P. SCANLAN, *Secretary*.

LEO SHWARTZ, *Legal Adviser*.

———, *Chief Clerk*.

EXECUTIVE STAFF.

MICHAEL H. CROWLEY, *Superintendent of Police*.

THOMAS F. GOODE, *Deputy Superintendent*.

Captain JOHN S. RIDLON, *Special Service*.

Captain MATHEW KILLEN, *Special Service*.

Captain JAMES J. WALKINS, *Special Service*.

Captain HARRY T. GRACE, *Special Service*.

WILLIAM H. GOWELL, *Property Clerk*.

Lieutenant ROBERT CAVERLY, *Narcotic Squad*.

Captain JOHN W. PYNE, *Superintendent's Clerk*.

Captain LOUIS E. LUTZ, *Drill Master*.

Lieutenant THOMAS S. J. KAVANAGH, *Assistant Drill Master*.

———, *Director of Signal Service*.

BUREAU OF CRIMINAL INVESTIGATION.

JAMES McDEVITT, *Deputy Superintendent and Inspector of Divisions*.

AINSLEY C. ARMSTRONG, *Chief Inspector*.

GUSTAF GUSTAFSON, HARRY N. DICKINSON, *Captains*.

STEPHEN J. GILLIS, *Lieutenant*.

JAMES F. CONCANNON, EDWARD T. CONWAY, JAMES A. DENNESSY, TIMOTHY F. DONOVAN, JOHN A. DORSEY, GEORGE J. FARRELL, STEPHEN J. FLAHERTY, THOMAS F. GLEAVY, FRANCIS P. HAGGERTY, JOSEPH F. LOUGHLIN, JOHN F. MCCARTHY, THOMAS F. MULREY, HENRY M. PIERCE, JOHN F. MITCHELL, JAMES R. CLAFLIN, JAMES H. EGAN, THOMAS M. TOWLE, JOSEPH L. A. CAVAGNARO, OWEN FARLEY. TIMOTHY, J. SHEEHAN, ELKANAH W. D. LE BLANC, WILLIAM R. CONNOLLY, MICHAEL A. KELLEY, *Lieutenant Inspectors*. GEORGE V. AUGUSTA, ALFRED BOUCHER, WILLIAM J. HARROW, JOHN D. HOLMES, WARREN H. LIESE, THOMAS F. LYONS, JOSEPH J. MAGUIRE, FRANCIS I. MULLEN, MAURICE F. MURPHY, JUSTIN MCCARTHY, CORNELIUS J. RING, JOSEPH E. ROLLINS, WILLIAM N. TAYLOR, *Detective Sergeants*.

POLICE DEPARTMENT.

The Board of Police for the City of Boston, established in 1885, was superseded in 1906 by a single executive, the Police Commissioner.

The City is divided into nineteen Police Divisions, in each of which is a station house, the headquarters of a captain and force of men. For traffic purposes, the City is also divided into two traffic divisions, a northern and a southern, in each of which is a station house, the headquarters of a captain and force of men. The Commissioner appoints a Harbor Master and assistants from the police force, and they receive pay in accordance with their rank in the force. The steamer "Stephen O'Meara," the steam launch "Watchman" and the gasoline boats "E. U. Curtis" and "Argus," are employed in this service.

By Chapter 114, Acts of 1921, the annual listing of residents, now includes all women 20 years of age and over, in addition to the men.

On March 25, 1931, the police force numbered 2,425 members, including 29 captains, 23 lieutenant-inspectors, 45 lieutenants, 13 detective-sergeants, 173 sergeants, 2,133 patrolmen, of which 309 were detailed for traffic control, and 5 patrolwomen.

There were 17 men in the signal service, whose director has charge of 545 signal boxes.

Salaries: Superintendent, \$7,000; deputy superintendents, \$4,500; chief inspector, \$4,300; captains, \$4,000 per annum; lieut-inspectors and lieutenants, \$2,700; detective sergeants and sergeants, \$2,500; patrolmen, \$1,600 1st year and \$100 increase each year until \$2,100 (maximum) is reached. Two hundred dollars additional salary annually to officers who serve as "aide to Police Commissioner." Uniform and equipment are free.

POLICE STATIONS.

FIRST DIVISION, 209 Hanover street. John J. Rooney, *Captain*.

SECOND DIVISION, 229 Milk street. Martin H. King, *Captain*.

THIRD DIVISION, Joy street. John McGrath, *Captain*.

FOURTH DIVISION, *56 La Grange street*. Jeremiah F. Gallivan, *Captain*.

FIFTH DIVISION, *21 East Dedham street*. John M. Anderson, *Captain*.

SIXTH DIVISION, *corner D and Athens streets, South Boston*. Michael Healy, *Captain*.

SEVENTH DIVISION, *corner Emmons and Paris streets, East Boston*. Archibald F. Campbell, *Captain*.

EIGHTH DIVISION (including the islands in the harbor and the harbor service), *521 Commercial street*. Ross A. Perry, *Captain and Harbor Master*, Lieutenants William H. Rymes, Lawrence H. Dunn, Sergeants Ibri W. H. Curtis, Hugh F. Marston, Timothy F. Kellard, and Carleton B. Perry, *Assistant Harbor Masters*.

NINTH DIVISION, *Mt. Pleasant avenue and Dudley street*. Joseph McKinnon, *Captain*.

TENTH DIVISION, *Tremont and Roxbury streets*. John J. Mullen, *Captain*.

ELEVENTH DIVISION, *corner Adams and Arcadia streets*. Michael J. Goff, *Captain*.

TWELFTH DIVISION, *East Fourth street, near K street, South Boston*. Joseph J. Hoy, *Captain*.

THIRTEENTH DIVISION, *Seaverns avenue, Jamaica Plain*. Herbert W. Goodwin, *Captain*. Sub-station, Franklin Park, Pierpont road.

FOURTEENTH DIVISION, *Washington street, junction Cambridge street, Brighton*. Perley S. Skillings, *Captain*.

FIFTEENTH DIVISION, *New Municipal Building, City Square, Charlestown*. William W. Livingston, *Captain*.

SIXTEENTH DIVISION, *Boylston street, near Hereford street*. Jeremiah N. Mosher, *Captain*.

SEVENTEENTH DIVISION, *Centre street, corner Hastings street, West Roxbury*. James P. Smith, *Captain*.

EIGHTEENTH DIVISION, *1249 Hyde Park avenue, Hyde Park*. John J. Hanrahan, *Captain*.

NINETEENTH DIVISION, *872 Morton street, Dorchester*. John E. Driscoll, *Captain*.

TWENTIETH DIVISION (TRAFFIC), *229 Milk street*. Bernard J. Hoppe, *Captain*.

TWENTY-FIRST DIVISION (TRAFFIC), *Boston Arena Building, 262 St. Botolph street*. James Laffey, *Captain*.

HOUSE OF DETENTION. [Stat. 1887, Chap. 234.] *First floor of Court House, Somerset street*. Mary Kenney, *Chief Matron*. Genevieve Barretta, *Assistant Chief Matron*.

CITY PRISON, *First floor of Court House, Somerset street*. Lieutenant William H. Allen, *Keeper of the Lock-up*. Sergeants John C. E. Clark, Dennis F. Desmond, Edmund R. Inglis, John J. Manning, *Assistant Keepers*.

DEPARTMENT OF THE SCHOOL COMMITTEE.

Administration Building, 15 Beacon street.

[Stat. 1875, Chap. 241; Stat. 1898, Chap. 400; Stat. 1900, Chap. 235; Stat. 1901, Chap. 448; Stat. 1903, Chap. 170; Stat. 1905, Chap. 349; C. C., Chaps. 33 and 48, Stat. 1906, Chaps. 205, 231, 259, 318, 505; Stat. 1907, Chaps. 295, 357, 450; Stat. 1908, Chap. 589; Stat. 1909, Chaps. 120, 388, 446, 537, 540; Stat. 1910, Chap. 617; Stat. 1911, Chaps. 540, 708; Stat. 1912, Chaps. 195, 569, 711; Stat. 1913, Chaps. 337, 363, 389, 615, 779; Stat. 1914, Chaps. 128, 331, 489, 730, 738; Gen. Stat. 1915, Chaps. 78, 81, 90, and Spec. Stat. Chaps. 189, 300, 304, 372; Spec. Stat. 1916, Chaps. 86, 88, 213, 267, 289 and Gen. Stat. Chap. 102, Gen. Stat. 1917, Chaps. 84, 169 and Spec. Stat. Chap. 146; Spec. Stat. 1918, Chap. 132; Spec. Stat. 1919, Chaps. 132, 199, 206; Stat. 1920, Chaps. 140, 524; Stat. 1921, Chaps. 169, 351; Stat. 1922, Chaps. 273, 286; Stat. 1923, Chaps. 284, 381, 460, 488; Stat. 1924, Chaps. 380, 479; Stat. 1925, Chaps. 309, 327; Stat. 1926, Chaps. 153, 314; Stat. 1929, Chap. 256; Stat. 1930, Chap. 283.]

SCHOOL COMMITTEE.

FRANCIS C. GRAY. Term ends January, 1932.

JOSEPH J. HURLEY. Term ends January, 1932.

JOSEPH V. LYONS, D. M. D. Term ends January, 1932.

ELIZABETH W. PIGEON. Term ends January, 1934.

WILLIAM ARTHUR REILLY. Term ends January, 1934.

OFFICIALS.

JOSEPH J. HURLEY, *Chairman*.JOSEPH V. LYONS, D. M. D., *Treasurer*.JEREMIAH E. BURKE, *Superintendent*.ELLEN M. CRONIN, *Secretary*.ALEXANDER M. SULLIVAN, *Business Manager*.MARK B. MULVEY, *Schoolhouse Custodian*.

BOARD OF SUPERINTENDENTS.

Superintendent BURKE, *Chairman ex officio*.

ASSISTANT SUPERINTENDENTS.

MARY C. MELLYN.

JOHN C. BRODHEAD.

ARTHUR L. GOULD.

WILLIAM B. SNOW.

MICHAEL J. DOWNEY.

PATRICK T. CAMPBELL.

THE TEACHERS COLLEGE OF THE CITY OF BOSTON, LATIN AND DAY HIGH SCHOOLS (18).

Teachers College, Public Latin, Girls' Latin, Brighton High, Charlestown High, Dorchester High (Girls), Dorchester High (Boys), East Boston High, English High (Boys), Girls' High, High School of Commerce (Boys), High School of Practical Arts (Girls), Hyde Park High, Jamaica Plain High, Mechanic Arts High (Boys), Roxbury Memorial High (Girls), Roxbury Memorial High (Boys), South Boston High.

CLERICAL SCHOOL.— Boston Clerical School.

CONTINUATION SCHOOL.

TRADE SCHOOLS.— Boston Trade School, Trade School for Girls.

DAY INTERMEDIATE SCHOOL DISTRICTS, SCHOOL DISTRICTS WITH INTERMEDIATE CLASSES, AND DAY ELEMENTARY SCHOOL DISTRICTS (82).

EAST BOSTON.— Blackinton,† Chapman, Donald McKay Intermediate,* Emerson, John Cheverus,† Joseph H. Barnes Intermediate,* Samuel Adams, Theodore Lyman, Ulysses S. Grant.

CHARLESTOWN.— Harvard-Frothingham,† Prescott,† Warren-Bunker Hill.†

NORTH AND WEST ENDS.— Bowdoin-Wendell Phillips, Eliot, Hancock, Michelangelo Intermediate,* Washington Intermediate,* Wells.

CITY PROPER.— Abraham Lincoln,* Horace Mann, Prince,† Quincy.

SOUTH END.— Dwight,† Everett,† Franklin,† Rice.†

SOUTH BOSTON.— Bigelow,* Gaston,* John A. Andrew,† Lawrence,† Norcross,* Oliver Hazard Perry,† Shurtleff,* Thomas N. Hart,† Frederic W. Lincoln.

ROXBURY.— Dearborn,† Dillaway,† Dudley,† Henry L. Higginson, Hugh O'Brien,† Hyde,† Jefferson-Comins,† Julia Ward Howe, Lewis Intermediate,* Martin,† Sherwin,† Theodore Roosevelt Intermediate,* William Lloyd Garrison.

BRIGHTON.— Bennett,* Thomas Gardner, Washington Allston, William Howard Taft Intermediate.*

JAMAICA PLAIN.— Agassiz,† Bowditch,† Francis Parkman,† Lowell.†

ROSLINDALE.— Charles Sumner, Longfellow, Washington Irving Intermediate.*

WEST ROXBURY.— Robert Gould Shaw.

DORCHESTER.— Christopher Gibson,† Edmund P. Tileston, Edward Everett,† Emily A. Fifield, Frank V. Thompson Intermediate,* Gilbert Stuart,† Grover Cleveland Intermediate,* Henry L. Pierce,* John Marshall, John Winthrop,* Mary Hemenway,* Mather,† Minot,† Oliver Wendell Holmes Intermediate,* Phillips Brooks,† Robert Treat Paine, Roger Wolcott, Solomon Lewenberg Intermediate,* William E. Endicott, William E. Russell.†

HYDE PARK.— Elihu Greenwood, Henry Grew, William Barton Rogers Intermediate.*

INDUSTRIAL AND SPECIAL SCHOOLS.

INDUSTRIAL SCHOOLS.— Boston Trade School (day) with evening classes also; Trade School for Girls (day), with extension classes also; Continuation Schools (day) for employed boys and girls.

CLERICAL SCHOOL.— For special training in Stenography, Bookkeeping, Typewriting, English, office practice and penmanship.

DISCIPLINARY DAY SCHOOL.— For truants and other school offenders.

SCHOOL FOR THE DEAF.— Horace Mann School.

DAY SCHOOLS FOR IMMIGRANTS.— For instruction in English language.

* Intermediate Schools.

† Intermediate Classes.

SPECIAL DEPARTMENTS.

- EDUCATIONAL INVESTIGATION AND MEASUREMENT. Arthur W. Kallom, *First Assistant Director*.
- EVENING AND SUMMER SCHOOLS. Joseph F. Gould, *Director*.
- EXAMINATIONS. Joel Hatheway, *Chief Examiner*.
- EXTENDED USE OF PUBLIC SCHOOLS (*i. e.*, SCHOOL CENTERS). James T. Mulroy, *Director*.
- HOUSEHOLD SCIENCE AND ARTS. Josephine Morris, *Director*.
- KINDERGARTENS. Caroline D. Aborn, *Director*.
- MANUAL ARTS. Helen E. Cleaves, *Director*. Edward C. Emerson, *Associate Director*.
- MODERN FOREIGN LANGUAGES. Marie A. Solano, *Director*.
- MUSIC. John A. O'Shea, *Director*.
- PENMANSHIP. Bertha A. Connor, *Director*.
- PHYSICAL EDUCATION. Nathaniel J. Young, *Director*. Frederick J. O'Brien, *Associate Director*.
- PRACTICE AND TRAINING OF TEACHERS. Katherine L. King, *Director*.
- SALESMANSHIP. Edward J. Rowse, *Commercial Co-ordinator*.
- SCHOOL HYGIENE. ————, *Director*.
- SPECIAL CLASSES. Ada M. Fitts, *Director*.
- SPEECH IMPROVEMENT CLASSES. Theresa A. Dacey, *Director*.
- VOCATIONAL GUIDANCE. Susan J. Ginn, *Director*.
- HEAD SUPERVISOR OF ATTENDANCE. Joseph W. Hobbs.
- LICENSED MINORS. Timothy F. Regan, *Supervisor*.

ADMINISTRATIVE OFFICES.

Administration Building, 15 Beacon St. Headquarters of all officials.

At Continuation School, 25 Warrenton St., educational and employment certificates are issued daily (except Saturdays), from 8.30 A. M. to 3.30 P. M., and on Saturdays from 9 A. M. to 1 P. M., but during July, August and September to 12 noon. Physical examination of applicants for employment certificates daily from 9 to 3.30 P. M.

Minors' licenses (*i. e.*, minors under 16 years of age) to act as newsboys, etc., issued daily, except Saturdays, from 4 to 5 P. M., and on Saturdays from 9 A. M. to 1 P. M., but during July, August and September to 12 noon. Licenses are not issued during school hours.

SUPERVISORS OF ATTENDANCE.

[Stat. 1913, Chap. 779, §§ 12, 13.]

These officers are appointed by the School Committee, and under their direction enforce the laws relating to absentees from school. They are also constables, serving without bonds. There are 31 officers besides the head supervisor and they may be seen from 9 to 9.30 A. M., on the days that the schools are in session at the principal schoolhouse in the district served.

SCHOOL PHYSICIANS AND SCHOOL NURSES.

Regular medical inspection of the schools was maintained from 1894 to 1915, under the supervision of the Health Department. Beginning September 1, 1915, the School Committee took charge of this service. For all schools and districts there is one Director of School Hygiene in charge of seven supervising school physicians, one school physician assigned to the certificating office, one otologist, one ophthalmologist, 59 school physicians, one medical supervisor of nutrition classes, 22 nutrition class attendants, 22 assistant nutrition class attendants, 21 matrons, one sanitary inspector, and one supervisor of health education.

Chapter 357, Acts of 1907, provided for the appointment by the School Committee of one supervising female nurse and as many district female nurses as are deemed necessary. The sum available for the employment of school physicians and school nurses is 12 cents on each one thousand of the City's assessed valuation, which in 1930 will amount to \$233,845.57. In addition any balance unexpended the previous year is available. For the eighty-two elementary and intermediate school districts there is one supervising nurse in charge of four assistant supervising nurses, 1 nurse assigned to the certificating office, and 59 school nurses.

PHYSICAL EDUCATION.

In 1907 the School Committee were authorized to provide for the extension of physical education and recreation of pupils, including proper apparatus and facilities in the buildings, yards and playgrounds under their control.

The sum available for this branch of education is 15 cents on each \$1,000 of the City's assessed valuation, which in 1931 will amount to \$295,963.67. In addition, the income from games and contests and any balance unexpended the preceding year are available. The cost of military drill is not charged against the appropriation for Physical Education.

The Department of Physical Education comprises one director, one associate director, one assistant director, one supervisor-in-charge of playgrounds, 12 instructors of military drill, two armorers, 34 women instructors of physical education, 13 teacher coaches of athletics and 16 play teachers for boys of high schools, 32 women play teachers for girls of high schools, 22 women play teachers for girls of intermediate schools, ninety-five men play teachers for boys of intermediate and elementary schools, six supervisors of playgrounds assisting in the direction of approximately seven hundred playground teachers assigned for different seasons. The latter have charge of games, plays, dances, etc. in the fifty-six schoolyard playgrounds and seventy-five park playgrounds in use.

INDUSTRIAL SCHOOLS PARTLY MAINTAINED BY STATE.

By Chapter 471, Acts of 1911, and Chapter 106, Acts of 1912, the State especially encourages the establishing of Independent Industrial Schools, allowing financial aid for their maintenance proportionate to the amount

raised by local taxation and expended for all public schools. Under this arrangement the School Committee is reimbursed by the State to the extent of one half the net maintenance cost of such industrial schools established in Boston thus far with the approval of the State Board of Education. By Chapter 805, Acts of 1913, Continuation Schools, for employed children between fourteen and sixteen years of age, were included under the same plan of State aid. The schools thus maintained are the Boston Trade School (for Boys), day and evening classes, Trade School for Girls, day and extension classes, Compulsory Continuation School, High School of Practical Arts, also co-operative courses in Brighton, Charlestown, Dorchester, East Boston, Hyde Park, Roxbury Memorial High School for Boys and South Boston High, and practical arts courses in the evening elementary schools.

For the agricultural course in the Jamaica Plain High School, the School Committee is reimbursed to the extent of two-thirds of the cost of instruction.

MANUAL ARTS.

The Training School for Teachers of Mechanic Arts, located in the Parkman Schoolhouse, Broadway, South Boston, is conducted under the direction of the Department of Manual Arts.

There are eight co-operative courses in high schools, as follows: Brighton (auto mechanics), Charlestown (electricity), Dorchester (woodwork), East Boston (machine shop practice), Hyde Park (machine shop practice), Jamaica Plain (agriculture), Roxbury Memorial High School for Boys (Printing), and South Boston (sheet metal).

There are 157 shops in elementary and intermediate schools, in which the following-named subjects are taught: Auto mechanics, bookbinding, electricity, interior decoration, machine shop practice, mechanical drawing (temporary), printing, sheet metal, woodwork, and diversified subjects.

Modeling is taught in fifth grades in all boys' schools, by a special teacher. Cardboard construction and bookbinding in the fourth and fifth grades are supervised by the department.

Home and school gardening is conducted by the department as an after-school and summer activity in fifty-one elementary and intermediate districts.

Summer recreational handicraft classes are conducted in seven centers.

HOUSEHOLD SCIENCE AND ARTS.

There are ten high schools offering courses in household science and arts, Brighton, Charlestown,* Dorchester, East Boston, Girls', High School of Practical Arts, Hyde Park, Jamaica Plain,† Roxbury Memorial, South Boston, with 13 cookery rooms, 22 sewing rooms, 5 millinery rooms and 4 home practice suites; 72 rooms in elementary and intermediate schools equipped for instruction in cookery, 67 sewing rooms, 3 millinery rooms and 12 home suites.

* No sewing.

† No cookery.

A director, two assistant directors, 72 teachers of cookery, 130 teachers of sewing, and 8 teachers of millinery are assigned to the Department of Household Science and Arts.

EVENING HIGH, ELEMENTARY AND TRADE SCHOOLS.

There are ten evening high schools, Central (English High Schoolhouse), Brighton, Charlestown, Dorchester, East Boston, Girls', Hyde Park, Roxbury (Boston Clerical Schoolhouse), South Boston, and West Roxbury (Washington Irving Schoolhouse). These schools, the sessions of which are held on Monday, Tuesday and Thursday evenings, from 7.30 to 9.30, are held in the several high schoolhouses of the districts named. All but the Central High are commercial schools.

There are nineteen evening elementary schools, including four branch schools of same in session on Monday, Tuesday and Thursday evenings.

Evening trade classes are conducted in the Boston Trade School and three branch schools held in the Brighton, East Boston and Hyde Park High Schoolhouses.

EVENING OPPORTUNITY SCHOOL.

Continuation School Building, 25 Warrenton Street.

This school offers instruction in vocational and industrial subjects for persons who cannot qualify for admission to the Evening Classes of the Boston Trade School.

DAY SCHOOL FOR IMMIGRANTS.

There are seventeen schools for immigrants where instruction in the English language is provided, classes being conducted daily (except Saturday) for two hours in the forenoon and the same in the afternoon.

DAY PRACTICAL ARTS CLASSES.

There are ten schools where instruction in practical arts (dressmaking, home decoration and millinery) is provided to persons over sixteen years of age, classes being conducted for two hours on either two mornings or afternoons each week.

SUMMER REVIEW AND VACATION SCHOOLS.

These supplementary summer review schools, one high, two intermediate, and eleven elementary, for pupils who have been retarded in their studies, were started in 1914. The term is forty days, and the number of pupils in 1930 was 7,971. There are also seven vacation schools. The term is thirty-four days, and the number of pupils in 1930 was 9,610.

CONTINUATION SCHOOL (DAY).

Classes for boys, with 27 instructors, are held in the Continuation School, 25 Warrenton street; classes for girls with 19 instructors, at 10 Common street.

All children 14 to 16 years of age employed under an employment certificate are compelled by law to attend the school four hours per week.

USE OF SCHOOLHOUSES FOR EDUCATIONAL, SOCIAL AND CIVIC PURPOSES.

In 1912 the School Committee were authorized by statute to allow the use of buildings under their control by associations and individuals (other than school pupils) for educational, recreative, social, civic, philanthropic and similar purposes at times when the schools were not in session. Under this arrangement there are now thirteen School Centres, each having a manager and largely attended on three evenings and one or two afternoons a week. More than 80 school buildings are also used by Non-School Center groups.

The School Committee may annually appropriate for this purpose a sum equal to four cents on each \$1,000 of the City's assessed valuation, which in 1930 will amount to \$77,948.82. In addition, the income from rents of school buildings and any balance unexpended the preceding year are available. Besides the renting of school halls for club meetings, entertainments, etc., basements and other accommodations in school-houses are used by the Election Department as polling places, lighting and janitor service being paid for by the Election Department.

PENSION AND RETIREMENT FUND FOR TEACHERS.

The School Committee, by a majority vote of all its members, may retire with a pension any member of the teaching or supervising staff of the public day schools who has reached the age of sixty-five years, also such other members as are incapacitated for further efficient service. If the teacher retired has been employed in the public day schools for a period of thirty years or more, ten years of which have been in the Boston public day schools, the pension paid amounts to one-third of the annual salary received at time of retirement, but in no case is it less than \$312 nor more than \$600 annually. If the period of service is less than thirty years, the pension is proportionally less. The School Committee is authorized to provide for these pensions by appropriating annually, if necessary, an amount equal to five cents on each \$1,000 of the City's assessed valuation. The Permanent School Pension Fund amounted to \$968,241.99 on January 1, 1931, and 272 retired teachers were receiving pensions therefrom.

The Boston Teachers' Retirement Fund Association, started in 1900, is paying \$120 per year to 345 annuitants, the total amount of its fund on October 1, 1929, being \$1,262,001.20. At that date 4,184 teachers were each contributing \$18 per year to this fund.

PUBLIC CELEBRATIONS BUREAU.

EDMUND L. DOLAN, *Director of Public Celebrations.*

Office, 49 City Hall.

The Bureau of Public Celebrations was organized in 1922, for the purpose of observing, under the direction of his Honor the Mayor, the celebration of historical events, the observance of patriotic holidays and other public occasions, in a manner calculated to produce constructive results.

COMMITTEE FOR AMERICANIZATION.

FRANK HOWLAND, *Director.*

Office, 305 City Hall Annex.

The Bureau of the Committee for Americanization was created to inculcate the spirit of active and alert Americanism throughout the City of Boston and combat the circulation of malicious propaganda.

The service of the Bureau has aided in the construction of a well attended policy of American ideals and for fostering better community conditions.

Since the formation of the Bureau for Americanization a vast number of aliens have received instruction in matters of naturalization and future citizenship and literature of an informative nature has been widely distributed.

GEORGE ROBERT WHITE FUND.

EDWARD L. LOGAN, *Manager.*

Office, 45 City Hall.

The late George Robert White, who died in Boston, January 27, 1922, left the residue of his estate to the City of Boston to be held as a permanent charitable trust fund, "the net income only to be used for creating works of public utility and beauty, for the use and enjoyment of the inhabitants of the City of Boston."

The control and management of the fund is in the hands of a board of five trustees, consisting of the Mayor as Chairman, the President of the City Council, the City Auditor, the President of the Boston Chamber of Commerce and the President of the Bar Association of the City of Boston.

Health Units have been provided at Baldwin Place and North Margin Street in the North End, and at Paris and Emmons Streets, East Boston, and at Dorchester and West Fourth Streets, South Boston, Roxbury, corner of Blue Hill Avenue and Savin Street, Charlestown, corner of High and Elm Streets, and at Blossom and Parkman Streets, West End, in the hope of being able, by proper instruction, to better the living and health conditions of the communities in the congested districts.

COMMERCIAL, INDUSTRIAL AND PUBLICITY BUREAU.

JOHN T. SCULLY, *Director.*

THOMAS A. MULLEN, *Director.*

FREDERIC E. DOWLING, *Secretary.*

Office, 537 Chamber of Commerce Bld'g.

The Commercial, Industrial and Publicity Bureau was organized by the Mayor early in 1921. The purpose of the Bureau is to foster and stimulate the creation of new industries in Boston, under the direction of

the Mayor, to co-operate with commercial and trade organizations for this purpose, and to provide for suitable public statements relative to successful business accomplishments in Boston from time to time.

REGULATION OF BUILDING HEIGHTS.

[Stat. 1872, Chap. 371; Stat. 1892, Chap. 419; Stat. 1896, Chap. 313; Stat. 1898, Chap. 452; Stat. 1904, Chap. 333; Stat. 1905, Chap. 383; Stat. 1907, Chap. 416; Stat. 1914, Chap. 786; Stat. 1915, Chap. 333; Stat. 1923, Chap. 462; Stat. 1924, Chap. 488; Stat. 1928, Chap. 137.]

Following the Great Fire in Boston which occurred on November 9 and 10, 1872, a special session of the Legislature was called to consider questions growing out of the calamity and to enact such measures as were appropriate for the protection and rebuilding of the city. This resulted in an amendment to the Building Law of 1871 establishing a maximum height limit of 75 feet, which was amended the following year to 80 feet, providing further that additional height might be added if the same were constructed in a fireproof manner.

In 1892, Chapter 419 provided for a maximum height limit of 125 feet in height, with a further restriction to $2\frac{1}{2}$ times the width of the widest street or square on which such building stood.

Authority to limit building heights to 70 feet within 25 feet of a parkway, boulevard or public way bordering on a park was granted under the provisions of a General Law, Chapter 313 of the Acts of 1896, and accepted by the city of Boston in May of the same year. This Law carried with it provision for damages and is one of the few instances in the city of Boston of the limitation of building heights through the exercise of eminent domain. For the most part restrictions are adopted under the police power.

Chapter 333 of the Acts of 1904 provided for the appointment of a Commission authorized to divide the city of Boston into two districts; A, in which the greater part of the buildings situated therein were used for business or commercial purposes, restricted to a height of not more than 125 feet, and B, in which the greater part of the buildings situated therein were used for residential purposes, restricted in height to 80 feet.

The boundaries of the A and B Districts as thus established continued in effect until the appointment of a similar Commission under the provisions of Chapter 333 of the Acts of 1915, this second Commission being authorized to revise the boundaries but not to increase the maximum height limits. The result was that the boundaries of District A were considerably enlarged.

In the meantime Chapter 383 of the Acts of 1905 provided that buildings may be erected in the 80-foot district on streets exceeding 64 feet in width to a height equal to one and one-half times the width of the street upon which the building stands, but not exceeding 100 feet in any event, a modification which remains in effect at the present time.

Chapter 462 of the Acts of the year 1923 amended previous legislation and established a maximum height limit of 155 feet further making provision for the erection of buildings to a height greater than two and one-half times the width of the street, but not exceeding 155 feet if the external wall of a height greater than two and one-half times the width of the street shall be set back from the vertical face of the building in the ratio of one foot horizontally for each two and one-half feet vertically. Further regulations were also established for buildings on a narrower street near its intersection with a wider street.

Chapter 488 of the Acts of the year 1924 the Boston Zoning Law, divides the city into 35, 40, 65, 80, and 155 foot districts, as shown on a map prepared by the Boston City Planning Board, and filed in the office of the State Secretary, each of the aforesaid districts carrying with them in addition to height limitations certain restrictions with regard to the bulk of buildings, the area of yards and other open spaces and the percentage of lot occupancy. Flexibility in the administration of the Zoning Plan is assured through the Board of Appeals, which is authorized to vary the provisions of the Law, and through the Board of Zoning Adjustment which is authorized to change the boundary lines of the zoning districts, under certain given conditions.

According to an opinion handed down by the Supreme Judicial Court on March 2, 1926, (Grenville H. Norcross and another, Trustee and others, versus the Board of Appeal of the city of Boston) Districts A and B as territorial divisions regulating height of buildings, established in accordance with earlier statutes, no longer exist in view of the general scope and detailed provisions of the aforesaid Zoning law.

Chapter 137 of the Acts of 1928 provides that on a lot on which a building 155 feet in height is permitted, part of a building or structure may exceed such height provided the volume of the same does not exceed the buildable area of the lot multiplied by 155 feet, and provided further that every part of such building or structure above a height equal to two and one-half times the effective width of the street, but not exceeding 125 feet, shall set back from every street and lot line one foot for each two and one-half feet of additional height.

There have been, in addition, a number of laws enacted which operated indirectly as to height limits in the city of Boston, including special restrictions in the vicinity of Copley Square and the Public Library; the State House; Rutherford Ave. between Chapman Street and the Mystic River tracks of the Boston and Maine Railroad; Washington Street, Lovering Place, Harrison Ave. and Asylum Street; and the property occupied by the Mechanic Arts High School on Dalton, Belvidere and Scotia Streets. So far as these special restrictions are concerned, the Zoning Law particularly specifies that it shall not interfere with, abrogate, annul, or repeal any statute previously enacted relating to the use of buildings or premises, provided, however, that where the zoning act imposes a greater restriction upon the use of buildings or premises or upon the height of buildings, the provisions of such act shall control.

DEPARTMENT AMOUNTS ALLOWED BY MAYOR FOR 1930
AND 1931.

	1930	1931
Art Department	\$1,215 00	\$2,515 00
Assessing Department	353,132 58	367,475 00
Auditing Department	81,101 45	81,583 71
Boston Port Authority	—	37,156 67
Boston Retirement Board	30,374 94	31,636 21
Boston Traffic Commission	217,971 63	206,288 91
Budget Department	12,364 00	11,745 00
Building Department	271,838 70	265,495 40
Board of Appeal	12,046 00	13,280 00
Board of Examiners	5,355 00	5,355 00
City Clerk Department	52,075 89	53,205 44
City Council	76,061 19	85,100 00
City Council Proceedings	12,750 00	12,750 00
City Documents	50,000 00	50,000 00
City Planning Board	34,275 64	31,325 00
Collecting Department	195,205 29	202,723 20
Election Department	251,193 31	217,705 00
Finance Commission	60,000 00	50,000 00
Fire Department	4,678,783 45	4,710,750 05
Wire Division	104,641 87	103,495 00
Health Department	1,077,767 50	1,111,039 34
Hospital Department	2,904,382 58	3,090,597 14
Sanatorium Division	561,884 97	612,014 25
Institutions Department:		
Central Office	55,008 80	55,310 00
Child Welfare Division	251,219 53	264,055 00
Long Island Hospital	720,589 84	736,057 67
Steamer "George A. Hibbard" and		
Launch "James J. Minot"	41,975 00	46,285 00
Rainsford Island, Care of	1,800 00	1,500 00
Law Department	116,167 42	139,304 37
Library Department	1,173,144 00	1,262,504 00
Licensing Board	33,190 15	32,840 00
Market Department	17,557 67	17,374 67
Mayor, Office Expenses	103,439 74	96,959 59
Public Celebrations	100,000 00	75,000 00
Conventions and Entertainment of Dis-		
tinguished Guests	75,000 00	50,000 00
Park Department	1,817,754 75	1,845,441 10
Reconstructing and Repairing Parkways		
by Contract	40,000 00	75,000 00
Cemetery Division	182,873 22	175,022 01
Police Department	6,141,792 13	6,331,918 92
Public Buildings Department	644,868 42	597,720 17

DEPARTMENT AMOUNTS ALLOWED BY MAYOR FOR 1930 and 1931.—
Continued.

	1930	1931
Public Welfare Department:		
Central Office	†\$130,457 33	*\$4,182,708 90
Temporary Home	13,715 00	14,100 00
Wayfarers' Lodge	20,840 00	23,278 00
Public Works Department:		
Central Office	92,658 81	90,811 64
Bridge Service	480,890 49	483,398 43
Bridges, Repairs, etc.	100,000 00	85,000 00
Ferry Service	561,553 00	567,946 00
Ferry Improvements, etc.	—	\$20,000 00
Lighting Service	1,019,206 43	1,040,478 00
Paving Service	1,819,113 40	1,649,782 45
Granolithic Sidewalks	25,000 00	75,000 00
Reconstructing and Repairing Streets by		
Contract	250,000 00	—
Street Signs	15,000 00	15,000 00
Snow Removal	—	150,000 00
Sanitary Service	3,382,854 25	3,120,613 16
Sewer Service	751,678 70	730,428 97
Registry Department	65,332 82	74,976 00
Reserve Fund	500,000 00	350,000 00
Sinking Funds Department	3,300 00	3,300 00
Soldiers' Relief Department	‡ 77,685 43	480,562 11
Statistics Department	16,205 32	16,390 00
Street Laying-Out Department	200,602 49	200,938 08
Supply Department	52,077 34	52,804 50
Treasury Department	76,034 73	77,356 93
Weights and Measures Department	49,241 92	47,437 00
	<u>\$32,264,249 12</u>	<u>\$36,707,837 99</u>
Amount previously appropriated for Pub- lic Welfare Department	§ 2,925,000 00	2,250,000 00
	<u>\$35,189,249 12</u>	<u>\$38,957,837 99</u>
City Debt Requirements	<u>\$7,979,746 39</u>	<u>\$8,575,498 68</u>
Suffolk County Courthouse (Custodian)	\$185,033 62	\$276,895 81
Suffolk County Courthouse (County Build- ings	97,260 00	—
County Buildings	115,850 32	117,694 00

* Exclusive of \$2,250,000 voted by City Council, March 9, 1931.

† Order for \$2,625,000 voted by City Council, March 31, 1930.

‡ Order for \$300,000 voted by City Council, March 31, 1930.

§ Includes \$300,000 for Soldiers' Relief Department.

DEPARTMENT AMOUNTS ALLOWED BY MAYOR FOR 1930 AND 1931 —
Continued.

	1930	1931
Jail	\$258,374 71	\$256,388 59
Supreme Judicial Court	61,463 75	61,073 75
Superior Court, Civil Session (General Expenses)	572,717 00	582,802 00
Superior Court, Civil Session (Clerk's Office)	171,684 75	175,157 60
Superior Court, Criminal Session	469,470 19	470,987 83
Probate Court	23,599 00	25,049 00
Municipal Court, City of Boston	427,091 00	438,306 00
Municipal Court, Charlestown District	33,760 60	34,326 85
East Boston District Court	31,471 75	31,709 75
Municipal Court, South Boston District	26,759 95	26,859 95
Municipal Court, Dorchester District	31,507 92	38,142 63
Municipal Court, Roxbury District	80,336 60	95,271 17
Municipal Court, West Roxbury District, ...	32,813 25	35,696 80
Municipal Court, Brighton District	19,912 38	19,613 00
Boston Juvenile Court	28,734 60	29,589 01
District Court of Chelsea	37,471 09	41,811 40
Registry of Deeds	195,803 86	192,274 92
Index Commissioners	27,023 00	26,036 85
Insanity Cases	30,115 00	33,120 00
Land Court	7,175 00	7,010 00
Medical Examiner Service, Northern Division	26,985 00	26,420 00
Medical Examiner Service, Southern Division	16,763 33	16,980 00
Associate Medical Examiner, Northern Division	2,010 00	2,335 00
Associate Medical Examiner, Southern Division	\$1,875 00	\$1,855 00
Miscellaneous Expenses:		
Auditing Department	955 00	955 00
Budget Department		1,163 31
Collecting Department	1,400 00	1,400 00
Sheriff	3,200 00	3,200 00
Treasury Department	5,740 00	5,740 00
Granite Avenue Bridge	5,936 70	7,881 70
Social Law Library	1,000 00	1,000 00
Penal Institutions Department:		
Office Expenses	38,762 50	40,559 50
House of Correction	458,724 68	497,277 30
Steamer "Michael J. Perkins"	68,055 67	73,742 67
	<u>\$3,596,837 22</u>	<u>\$3,696,326 39</u>

DEPARTMENT AMOUNTS ALLOWED BY MAYOR FOR 1930 and 1931.—
Concluded.

	1930	1931
County Debt Requirements	<u>\$154,936 29</u>	<u>\$164,843 75</u>
Printing Department	<u>\$479,146 37</u>	<u>\$528,090 54</u>
<i>City Record</i> , Publication of	<u>\$35,942 03</u>	<u>\$37,085 00</u>
Public Works Department:		
Water Service	\$1,736,482 79	\$1,737,189 18
High Pressure Fire Service, Extension of		250,000 00
Collecting Department:		
Water Service	70,164 32	81,739 48
Water Service, Debt Requirements	259,295 00	70,165 00
	<u>\$2,065,942 11</u>	<u>\$2,139,093 66</u>

RECAPITULATION OF AMOUNTS ALLOWED BY MAYOR FOR
1931.

From Taxes:

For City Purposes within the Tax Limit	\$38,957,837 99	
City Debt Requirements	8,575,498 68	
	<u> </u>	
City Total		\$47,533,336 67
For County of Suffolk Purposes	\$3,696,326 39	
County Debt Requirements	164,843 75	
	<u> </u>	3,861,170 14
City and County Total		\$51,394,506 81

From Revenue:

Printing Department	\$528,090 54	
<i>City Record</i> , Publication of	37,085 00	
Public Works Department, Water Service	1,737,189 18	
High Pressure Fire Service, Extension of	250,000 00	
Collecting Department, Water Division	81,739 48	
Water Service, Debt Requirements	70,165 00	
	<u> </u>	\$2,704,269 20
Grand Total		<u>\$54,098,776 01</u>

BASIS OF ESTIMATES, 1930.

Average valuation, \$1,948,713,046.00.	
\$16 on the thousand brings	\$31,179,408 74
Estimated income and cash in treasury	7,430,635 88
Amount available for appropriation inside tax limit	<u>\$38,610,044 62</u>

BASIS OF ESTIMATES, 1931.

Average valuation, \$1,973,091,133.33.	
\$16 on the thousand brings	\$31,569,458 13
Estimated income and cash in treasury	7,891,379 86
Amount available for appropriation inside tax limit	<u>\$39,460,837 99</u>

WAYS AND MEANS OTHER THAN TAXES FOR 1931.

An estimate of the ways and means, other than taxes, of meeting the expenditures of the City of Boston and County of Suffolk for the year ending December 31, 1931:

Building Department	\$55,000 00
City Clerk Department	21,000 00
Collecting Department	45,000 00
Fire Department	92,000 00
Health Department	25,000 00
Hospital Department	280,000 00
Institutions Department	12,000 00
Interest	575,000 00
Library Department	23,000 00
Licensing Department	52,000 00
Market Department	96,000 00
Mayor	52,000 00
Park Department	120,000 00
Pedlers' Licenses	8,000 00
Police Department	55,000 00
Public Buildings Department	20,000 00
Public Welfare Department	500,000 00
Public Works Department	250,000 00
Registry Department	13,000 00
Soldiers' Relief Department	43,000 00
Street Laying-Out Department	60,000 00
Weights and Measures Department	15,000 00
County of Suffolk	550,000 00

WAYS AND MEANS OTHER THAN TAXES. 139

Corporation Tax	\$3,200,000 00
Street Railway Tax	100,000 00
	\$6,262,000 00
Available cash in treasury, December 31, 1930	1,629,379 86
	<u>\$7,891,379 86</u>

RECAPITULATION OF AMOUNTS ALLOWED FOR 1930.

From Taxes:

For City Purposes within the Tax Limit	\$35,189,249 12	
City Debt Requirements	7,979,746 39	
		\$43,168,995 51
For County of Suffolk Purposes	\$3,596,837 22	
County Debt Requirements	154,936 29	
		3,751,773 51
City and County Total		
		\$46,920,769 02

From Revenue:

Printing Department	\$479,146 37	
<i>City Record</i> , Publication of	35,942 03	
Public Works Department, Water Service	1,736,482 79	
Collecting Department, Water Division	70,164 32	
Water Service, Debt Requirements	259,295 00	
		2,581,030 51
Grand Total		
		<u>\$49,501,799 53</u>

WAYS AND MEANS OTHER THAN TAXES FOR 1930.

An estimate of the ways and means, other than taxes, of meeting expenditures of the City of Boston and County of Suffolk for the year ending December 31, 1930:

Building Department	\$60,000 00
City Clerk Department	20,000 00
Collecting Department	40,000 00
Fire Department	110,000 00
Health Department	20,000 00
Hospital Department	275,000 00
Institutions Department	13,000 00
Interest	575,000 00
Library Department	23,000 00
Licensing Board	52,000 00

Market Department	\$120,000 00
Mayor	49,000 00
Park Department	115,000 00
Pedlers' Licenses	6,000 00
Police Department	52,000 00
Public Buildings Department	21,000 00
Public Welfare Department	450,000 00
Public Works Department	300,000 00
Registry Department	12,000 00
Soldiers' Relief Department	34,000 00
Street Laying-Out Department	60,000 00
Weights and Measures Department	14,000 00
County of Suffolk	600,000 00
Corporation Tax	3,400,000 00
Street Railway Tax	125,000 00
	\$6,546,000 00
Available cash in treasury, December 31, 1929	884,635 88
	<u>\$7,430,635 88</u>

VALUATION, APRIL 1, 1930.

VALUATION, APRIL 1, 1929.

WARD.	Real Estate.	Personal Est.	Total.	Polls.	WARD.	Real Estate.	Personal Est.	Total.	Polls.
1.....	\$48,646,600	\$1,923,700	\$50,570,300	17,137	1.....	\$48,783,500	\$2,069,000	\$50,852,500	17,058
2.....	48,456,700	2,887,400	51,344,100	9,411	2.....	48,676,500	2,905,900	51,582,400	9,747
3.....	687,435,800	78,245,400	765,681,200	21,483	3.....	683,565,800	78,988,700	762,554,500	21,795
4.....	115,678,600	1,594,700	117,273,300	12,172	4.....	115,618,800	1,551,600	117,170,400	12,314
5.....	233,618,500	39,316,700	272,935,200	9,619	5.....	233,354,300	39,650,400	273,004,700	9,683
6.....	93,582,100	5,815,900	99,398,000	10,199	6.....	92,283,500	6,557,300	98,840,800	10,250
7.....	26,152,700	1,023,500	27,176,200	9,523	7.....	25,943,800	1,010,400	26,954,200	9,501
8.....	32,543,600	1,605,800	34,149,400	9,231	8.....	32,178,000	1,760,200	33,938,200	9,338
9.....	33,797,800	1,008,500	34,806,300	11,211	9.....	34,040,300	983,500	35,023,800	11,463
10.....	23,033,000	603,200	23,636,200	8,292	10.....	22,536,100	592,500	23,128,600	8,217
11.....	26,628,100	1,250,800	27,878,900	9,030	11.....	26,232,200	1,333,600	27,565,800	8,874
12.....	39,116,300	379,300	39,495,600	11,351	12.....	37,765,100	449,100	38,214,200	10,823
13.....	25,783,600	448,800	26,232,400	8,780	13.....	25,537,500	424,100	25,961,600	8,669
14.....	50,070,400	461,700	50,532,100	15,684	14.....	49,637,100	538,300	50,175,400	15,149
15.....	22,528,700	434,100	22,962,800	8,281	15.....	22,313,300	382,700	22,696,000	8,177
16.....	33,934,500	570,900	34,505,400	9,943	16.....	33,032,400	634,300	33,666,700	9,575
17.....	35,213,600	1,456,200	36,669,800	9,331	17.....	34,638,400	1,474,000	36,112,400	9,052
18.....	43,118,400	2,251,900	45,370,300	12,169	18.....	41,287,800	2,064,200	43,352,000	11,551
19.....	35,357,700	756,100	36,113,800	8,501	19.....	33,778,600	738,900	34,517,500	8,317
20.....	45,443,600	600,700	46,044,300	9,816	20.....	43,002,700	562,600	43,565,300	9,314
21.....	86,635,500	1,068,800	87,704,300	10,714	21.....	83,547,700	1,194,900	84,742,600	10,070
22.....	40,684,800	983,500	41,668,300	9,545	22.....	38,562,800	1,048,600	39,611,400	9,000
TOTAL....	\$1,827,460,600	\$144,687,600	\$1,972,148,200	241,423	TOTAL....	\$1,806,316,200	\$146,914,800	\$1,953,231,000	237,937

DETAIL OF STATE ASSESSMENTS.

State Warrant, \$1,816,290.00; Metropolitan Sewers (North), \$75,890.81; Metropolitan Sewers (South), \$332,920.86; Metropolitan Sewers Special, \$6,846.00; Special Sewerage Investigation, \$10,000.00; Metropolitan Parks, \$1,436,924.21; Metropolitan Parkways, Malden, Braintree, Weymouth and Hingham, \$43,976.39; Charles River Basin, \$272,232.63; State Highways, \$1,256.62; Smoke Abatement, \$10,156.08; Fire Prevention, \$15,670.70; Neponset River Bridge, \$13,182.06; Metropolitan Planning, \$11,013.92; Neponset River Valley Health Protection, \$3,376.17; Southern Traffic Artery, \$10,520.30; Southern Traffic Artery (Special), \$19,203.18; South Bay Investigation, \$896.49; Municipal Auditing, \$10,860.50; Investigation, Taxi Cabs, Etc., \$1,289.85; Care of Civil War Veterans, \$2,753.00. Total, \$4,095,259.77.

DETAIL OF GENERAL APPROPRIATIONS.

Schools, \$21,078,958.34; Public Works, \$9,347,955.08; Interests on City Debt Proper, \$3,659,587.61; Serial Debt, \$4,115,214.78; Sinking Funds, \$204,944.00; Police Department, \$6,158,592.13; Fire Department, \$4,783,425.32; Hospital Department, \$3,469,983.64; Health Department, \$1,077,-593.17; Public Welfare Department, \$3,290,012.33; Park Department, \$2,040,627.97; Public Library, \$1,173,144.00; Institutions Department, \$1,085,-767.50; Soldiers' Relief, \$503,462.82; Pension Accumulation Fund, \$1,906,503.00; Special Tax, Loans, outside Debt Limit, \$510,000.00; General Purposes, \$3,932,693.64; Total, \$68,338,465.33; County Expenses, \$3,800,136.14; Total, \$72,138,601.47; Amount of State Warrants, \$4,095,259.77; Total, \$76,233,861.24.

State Tax.....	1930.	1929.
County Tax.....	\$1.86	\$2.00
City Tax.....	1.73	1.80
	27.21	24.20
Rate per \$1,000.....	\$30.80	\$28.00

DIVISION OF CITY RATE.
Of the City Rate of \$27.21
\$9.11 is for Public School Expenditures.

GAIN AND LOSS, REAL, PERSONAL, AND POLLS BY WARDS.

(1930 COMPARED WITH 1929.)

WARD.	Gain, Real.	Loss, Personal.	Total, Real and Personal.	Gain, Polls.	Description of Wards by Districts.
1.....	Loss \$136,900	\$145,300	Loss \$282,200	79	Ward 1. East Boston.
2.....	" 219,800	18,500	238,300	336	Ward 2. Charlestown.
3.....	3,870,000	743,300	Gain 3,126,700	312	Ward 3. Boston Proper.
4.....	" 59,800	43,100	" 102,900	142	Ward 4. Back Bay, South.
5.....	264,200	333,700	Loss 69,500	64	Ward 5. Back Bay.
6.....	1,298,600	741,400	Gain 557,200	51	Ward 6. South Boston, North.
7.....	208,900	13,100	222,000	22	Ward 7. South Boston, South.
8.....	365,600	154,400	" 211,200	107	Ward 8. Roxbury, East; and South End.
9.....	242,500	25,000	Loss 217,500	252	Ward 9. Roxbury, Central.
10.....	496,900	10,700	Gain 507,600	75	Ward 10. Roxbury, West.
11.....	395,900	82,800	" 313,100	156	Ward 11. Roxbury, South; Egleston Square and Forest Hills.
12.....	1,351,200	69,800	" 1,281,400	528	Ward 12. Roxbury, East.
13.....	246,100	24,700	" 270,800	111	Ward 13. Dorchester and Savin Hill.
14.....	433,300	76,600	" 356,700	535	Ward 14. Dorchester, West.
15.....	215,400	51,400	" 266,800	104	Ward 15. Dorchester, North Central.
16.....	902,100	63,400	" 838,700	368	Ward 16. Dorchester, South.
17.....	575,200	17,800	" 557,400	279	Ward 17. Dorchester Centre.
18.....	1,830,600	187,700	" 2,018,300	618	Ward 18. Hyde Park and Mattapan.
19.....	1,579,100	17,200	" 1,596,300	184	Ward 19. Jamaica Plain.
20.....	2,440,900	38,100	" 2,479,000	502	Ward 20. West Roxbury.
21.....	3,087,800	126,100	" 2,961,700	644	Ward 21. Brighton, South.
22.....	2,122,000	65,100	" 2,056,900	545	Ward 22. Brighton, North.
Totals....	Net Gain \$21,144,400	Net Loss \$2,227,200	Net Gain \$18,917,200	Net Gain 3,486	
Total Real, 1930	.	.	Total Real and Personal, 1930	.	.
" " 1929	.	.	" " 1929	.	.
Gain	.	.	Gain	.	.
				<u>\$18,917,200</u>	
Total Personal, 1930	.	.	Total Polls, 1930	.	.
" " 1929	.	.	" " 1929	.	.
Loss	.	.	Gain	.	.
				<u>3,486</u>	

BOUNDARIES
OF THE
TWENTY-TWO WARDS
AS FIXED IN 1924.

WARD BOUNDARIES.

[ACCORDING TO THE REDIVISION OF 1924.]

Acting under the authority of Chapter 410, Acts of 1924, a special commission of eleven members of the State Legislature, all citizens of Boston, redivided the territory of the City, establishing on Dec. 30, 1924, the boundaries of 22 wards as below.

Throughout the following descriptions the term "intersection" of streets, railroad locations, bridges, or the like, shall mean the intersection of middle lines unless otherwise clearly appearing; the phrase "through" or "to" a street, bridge, railroad location, or the like, shall mean through or to middle lines unless otherwise clearly appearing; and where (if at all) lines are mentioned as meeting or intersecting which do not technically meet or intersect, it shall be intended that such lines shall be extended for the purposes of these descriptions until they do so meet or intersect.

Where the phrase "side" or "side-line" is used with reference to a bridge, street, railroad location or the like, it shall be intended to include any adjacent piers, stages or other auxiliary structures, yards, or the like, causing jogs or irregularities in such lines.

The words "shore line" or "shore line of Boston," or the like, shall, unless otherwise clearly appearing, mean the line beyond which building or wharfing-out may for the time being be legally forbidden when such line has been or shall hereafter be established, and otherwise extreme low water mark; or if on a stream from which the sea does not ebb then the thread of the stream or any boundary line in such stream between Boston and other municipality.

All portions of the City of Boston lying outside the shore line as hereinabove defined, and including all the islands in Boston Harbor within the limits of the City of Boston, are included in Ward One unless expressly included in the description of some other ward.

When streets or ways adopted as boundaries are private ways the location intended shall be taken to be the actual location on the last day of the year 1924.

WARD ONE.

(EAST BOSTON.)

Beginning at the intersection of the shore line of Boston in Chelsea creek with the westerly side of Meridian Street Bridge; thence by said westerly side of Meridian Street Bridge to its intersection with the boundary line in Chelsea creek, between Boston and Chelsea; thence by said boundary line between Boston and Chelsea, and by the boundary line between Boston and Revere in said Chelsea creek and in Belle Isle inlet

and by the boundary line in Belle Isle inlet between Boston and Winthrop to its intersection with the southerly side of Saratoga Street Bridge; thence by the southerly side of Saratoga Street Bridge to its intersection with the shore line on the easterly and southerly sides of that part of East Boston called Breed's Island and thence continuing by said shore line on Boston Harbor, Charles river and Mystic river to the point of beginning.

WARD TWO.

(CHARLESTOWN.)

Beginning at the intersection of the shore line on the northwesterly side of Charles river with the northeasterly side of Washington street North; thence by said side of Washington street North to its intersection with the middle line of Charles river; thence by said middle line to its intersection with the middle line of Miller's river; thence by said middle line of Miller's river to its intersection with the boundary line between Boston and Cambridge at the point where said boundary line turns an acute angle; thence by said boundary line and by the boundary line between Boston and Somerville to its intersection with the boundary line in Mystic river between Boston and Everett; thence by the last mentioned boundary line (making an irregular jog which includes the site of the old Charlestown Almshouse and so returning to the middle line of Mystic river), and by the boundary line between Boston and Chelsea to its intersection with the southeasterly side of Chelsea Bridge; thence by the southeasterly side of Chelsea Bridge to its intersection with the shore line; thence by said shore line to the point of beginning.

WARD THREE.

(BOSTON PROPER.)

Beginning at the intersection of Irving street and Cambridge street; thence through Cambridge street and Cambridge Bridge to its intersection with the boundary line in Charles river between Boston and Cambridge; thence by said boundary line to the point where it turns an acute angle at the middle of Miller's river; thence by the middle line of Miller's river to the middle line of Charles river; thence by the middle line of Charles river to its intersection with the northeasterly side of Washington street North; thence by said northeasterly side of Washington street North to its intersection with the shore line of Boston on the southeasterly side of Charles river; thence by said shore line to its intersection with the northeasterly side of Northern Avenue Bridge; thence by said side of said bridge to its intersection with the shore line on the southeasterly side of Fort Point channel; thence by said shore line to its intersection with Broadway Bridge; thence through said bridge and through Broadway to Lehigh street; thence through Lehigh street to Albany street; thence through Albany street to Union Park street; thence through Union Park street to Washington street; thence through Washington street to Pelham street; thence through Pelham street to Shawmut avenue; thence through Shaw-

mut avenue to Upton street; thence through Upton street to Tremont street; thence through Tremont street to Dover street; thence through Dover street to Shawmut avenue; thence through Shawmut avenue to Tremont street; thence through Tremont street to Park street; thence through Park street to Beacon street; thence through Beacon street to Bowdoin street; thence through Bowdoin street to Derne street; thence through Derne street and through Myrtle street to Irving street; thence through Irving street to the point of beginning.

WARD FOUR.

(BACK BAY SOUTH, AND FENWAY.)

Beginning at the intersection of Boylston street and Berkeley street; thence through Berkeley street to Columbus avenue; thence through Columbus avenue to Clarendon street; thence through Clarendon street to Tremont street; thence through Tremont street to West Springfield street; thence through West Springfield street and through Wellington street to the location of the Providence Division of the New York, New Haven & Hartford Railroad; thence through said location to Ward street; thence through Ward street to Huntington avenue; thence through Huntington avenue to Francis street; thence through Francis street to Brookline avenue; thence through Brookline avenue southerly to the middle line of Muddy river in the Riverway, said middle line being the boundary line between Boston and Brookline; thence by said boundary line to its intersection with the northeasterly side line of St. Mary's street extended; thence by the middle line of Muddy river across Brookline avenue near the end of Boylston street, through the Back Bay Fens, to its intersection with Boylston street near Charlesgate East and Charlesgate West; thence through Boylston street to the point of beginning.

WARD FIVE.

(BACK BAY.)

Beginning at the intersection of Cambridge street and Irving street; thence through Irving street to Myrtle street; thence through Myrtle street and through Derne street to Bowdoin street; thence through Bowdoin street to Beacon street; thence through Beacon street to Park street; thence through Park street to Tremont street; thence through Tremont street to Shawmut avenue; thence through Shawmut avenue to Dover street; thence through Dover street to Tremont street; thence through Tremont street to Clarendon street; thence through Clarendon street to Columbus avenue; thence through Columbus avenue to Berkeley street; thence through Berkeley street to Boylston street; thence through Boylston street to the middle line of Muddy river in the Back Bay Fens near Charlesgate East and Charlesgate West; thence by said line, through the Back Bay Fens, to its intersection with the middle line of Kilmarnock street extended; thence by said middle line extended and through Kilmarnock street to Brookline avenue; thence through Brookline avenue to the

location of the Boston & Albany Railroad; thence through said location, following its northerly branch, to its intersection with the middle line of Blandford street extended; thence by said extended middle line and through Blandford street to Commonwealth avenue; thence through Commonwealth avenue to Granby street; thence through Granby street and the middle line thereof extended to its intersection with the boundary line in Charles river between Boston and Cambridge; thence by said boundary line to its intersection with Cambridge Bridge; thence through said bridge and through Cambridge street to the point of beginning.

WARD SIX.

(SOUTH BOSTON NORTH.)

Beginning at the intersection of Broadway Bridge and the shore line on the southeasterly side of Fort Point channel; thence by said shore line on said channel and on Boston Harbor, and including Castle Island, to its intersection with the middle line of Farragut road extended; thence by said extended line to its intersection with the middle line of East Seventh street extended; thence by said extended line (crossing the Strandway diagonally) and through East Seventh street to L street; thence through L street to East Sixth street; thence through East Sixth street to H street; thence through H street to East Fourth street; thence through East Fourth street and through West Fourth street to F street; thence through F street to West Eighth street; thence through West Eighth street to D street; thence through D street to Old Colony avenue; thence through Old Colony avenue to Dorchester avenue; thence through Dorchester avenue to the location of the Midland Division of the New York, New Haven & Hartford Railroad; thence through said location to the shore line on the easterly side of South Bay; thence by said shore line on South Bay and on Fort Point channel to the point of beginning.

WARD SEVEN.

(SOUTH BOSTON SOUTH.)

Beginning at the intersection of F street and West Fourth street; thence through West Fourth street and through East Fourth street to H street; thence through H street to East Sixth street; thence through East Sixth street to L street; thence through L street to East Seventh street; thence through East Seventh street and the middle line thereof extended (crossing the Strandway diagonally) to the middle line of Farragut road extended; thence by said extended line of Farragut road to the shore line on Boston Harbor; thence by said shore line on Boston Harbor, and on "Old Harbor" so called, to a point near the southeasterly limits of Columbus Park where said shore line, running nearly north and south, turns a slightly obtuse angle and runs nearly easterly; thence by a straight line in a nearly southwesterly direction to the intersection of Columbia road with the location of the Plymouth Division of the New York, New Haven & Hartford Railroad; thence through Columbia road to Dorchester avenue;

thence through Dorchester avenue to Edison Green (northerly fork); thence through said northerly fork of Edison Green to Pond street; thence through Pond street to the middle line of Pleasant street extended into Town Meeting square; thence through said square in said extended line to the middle line of East Cottage street extended into said square; thence by said extended middle line and through East Cottage street to Chase street; thence through Chase street to Willis street; thence through Willis street to Sumner street; thence through Sumner street to Stoughton street; thence through Stoughton street, through Columbia square and through Dudley street, to the location of the Midland Division of the New York, New Haven & Hartford Railroad; thence through said location to Dorchester avenue; thence through Dorchester avenue to Old Colony avenue; thence through Old Colony avenue to D street; thence through D street to West Eighth street; thence through West Eighth street to F street; thence through F street to the point of beginning.

WARD EIGHT.

(SOUTH END AND ROXBURY NORTH.)

Beginning at the intersection of Washington street and Union Park street; thence through Union Park street to Albany street; thence through Albany street to Lehigh street; thence through Lehigh street to Broadway; thence through Broadway and Broadway Bridge to its intersection with the shore line on the southeasterly side of Fort Point channel; thence by said shore line on the southeasterly side of Fort Point channel and on the easterly side of South Bay to the point where said line makes an obtuse angle nearly opposite Randolph street; thence by an extension of said line continuing its course previous to making said angle across the easterly side of South Bay, in a direct line till it intersects the location of the New York, New Haven & Hartford Railroad; thence through said location, following the Midland Division thereof, to its intersection with Dudley street; thence through Dudley street to West Cottage street; thence through West Cottage street to Blue Hill avenue; thence through Blue Hill avenue to Moreland street; thence through Moreland street to Fairland street; thence through Fairland street to Winthrop street; thence through Winthrop street to Greenville street; thence through Greenville street to Dudley street; thence through Dudley street to Warren street; thence through Warren street to Washington street; thence through Washington street to the point of beginning.

WARD NINE.

(ROXBURY CENTER.)

Beginning at the intersection of Pelham street and Washington street; thence through Washington street to Warren street; thence through Warren street to Dudley street; thence through Dudley street to Washington street; thence through Washington street to Circuit street; thence through Circuit street to Regent street; thence through Regent street to Dale

street; thence through Dale street to Washington street; thence through Washington street to Oakland street; thence through Oakland street to Thornton street; thence through Thornton street to Cedar street; thence through Cedar street to Lambert avenue; thence through Lambert avenue to Dorr street; thence through Dorr street to Highland street; thence through Highland street to Linwood street; thence through Linwood street to Centre street; thence through Centre street to Gardner street; thence through Gardner street to Roxbury street; thence through Roxbury street to Columbus avenue; thence through Columbus avenue to Tremont street; thence through Tremont street to Parker street; thence through Parker street to Ward street; thence through Ward street to its intersection with the location of the Providence Division of the New York, New Haven & Hartford Railroad; thence through said location to its intersection with the middle line of Wellington street extended; thence by said extended line and through Wellington street, across Columbus avenue and through West Springfield street to Tremont street; thence through Tremont street to Upton street; thence through Upton street to Shawmut avenue; thence through Shawmut avenue to Pelham street; thence through Pelham street to the point of beginning.

WARD TEN.

(ROXBURY WEST.)

Beginning at the intersection of the boundary line between Boston and Brookline, and Brookline avenue; thence through Brookline avenue to Francis street; thence through Francis street to Huntington avenue; thence through Huntington avenue to Ward street; thence through Ward street to Parker street; thence through Parker street to Tremont street; thence through Tremont street to the location of the Providence Division of the New York, New Haven & Hartford Railroad; thence through said location to Atherton street; thence through Atherton street and through Mozart street to Chestnut avenue; thence through Chestnut avenue to Forbes street; thence through Forbes street to Centre street; thence through Centre street to Perkins street; thence through Perkins street to Chestnut street; thence through Chestnut street to the boundary line between Boston and Brookline; thence by said boundary line to the point of beginning.

WARD ELEVEN.

(ROXBURY SOUTH, ALSO FOREST HILLS.)

Beginning at the intersection of the location of the Providence Division of the New York, New Haven & Hartford Railroad and Tremont street; thence through Tremont street to Columbus avenue; thence through Columbus avenue to Roxbury street; thence through Roxbury street to Gardner street; thence through Gardner street to Centre street; thence through Centre street to Linwood street; thence through Linwood street to Highland street; thence through Highland street to Dorr street; thence through Dorr street to Lambert avenue; thence through Lambert avenue

to Cedar street; thence through Cedar street to Thornton street; thence through Thornton street to Oakland street; thence through Oakland street to Washington street; thence through Washington street to Dale street; thence through Dale street to Bainbridge street; thence through Bainbridge street to Kingsbury street; thence through Kingsbury street to Kensington street; thence through Kensington street to Elmore street; thence through Elmore street to Walnut avenue; thence through Walnut avenue to Sigourney street; thence through Sigourney street to its intersection with a northwesterly running boundary line of Franklin Park, a little southwest of Robeson street; thence by said boundary line of Franklin Park, on several courses as the same is legally established and crossing Glen road, to the intersection of said line with Forest Hills street; thence through Forest Hills street to Morton road; thence through Morton road to Morton street; thence through Morton street to Forest Hills avenue in Forest Hills Cemetery; thence through Forest Hills avenue to Union terrace in said cemetery; thence through Union terrace to its intersection with the northwesterly boundary line of Forest Hills Cemetery; thence by said line on several courses as the same is legally established to Weld Hill street; thence through Weld Hill street to Hyde Park avenue; thence through Hyde Park avenue to Washington street; thence through Washington street to Asticou road; thence through Asticou road to St. Ann street; thence through St. Ann street across South street to the Arborway; thence through the Arborway to Custer street; thence through Custer street to South street; thence through South street to Carolina avenue; thence through Carolina avenue, and through Williams street to its intersection with the location of the Providence Division of the New York, New Haven & Hartford Railroad; thence through said location to the point of beginning.

WARD TWELVE.

(ROXBURY EAST.)

Beginning at the intersection of Washington street and Dudley street; thence through Dudley street to Greenville street; thence through Greenville street to Winthrop street; thence through Winthrop street to Fairland street; thence through Fairland street to Moreland street; thence through Moreland street to Blue Hill avenue; thence through Blue Hill avenue to Canterbury street; thence through Canterbury street to Morton street; thence through Morton street to Morton road; thence through Morton road to Forest Hills street; thence through Forest Hills street to its first intersection with a boundary line of Franklin Park extended which runs about east and west about midway between Williams street and Glen road; thence by said boundary line of Franklin Park by several courses as the same is legally established, in a general northeasterly direction, and crossing Glen road, to its intersection with Sigourney street; thence through Sigourney street to Walnut avenue; thence through Walnut avenue to Elmore street; thence through Elmore street to Kensington street; thence through Kensington street to Kingsbury street; thence

through Kingsbury street to Bainbridge street; thence through Bainbridge street to Dale street; thence through Dale street to Regent street; thence through Regent street to Circuit street; thence through Circuit street to Washington street; thence through Washington street to the point of beginning.

WARD THIRTEEN.

(DORCHESTER NORTH.)

Beginning at the intersection of Fayston street and Blue Hill avenue; through Blue Hill avenue to West Cottage street; thence through West Cottage street to Dudley street; thence through Dudley street, across Columbia road and through Stoughton street to Sumner street; thence through Sumner street to Willis street; thence through Willis street to Chase street; thence through Chase street to East Cottage street; thence through East Cottage street to Pleasant street; thence through Pleasant street and its middle line extended into Town Meeting square to Pond street; thence through Pond street to Edison Green (northerly fork); thence through said northerly fork of Edison Green to Dorchester avenue; thence through Dorchester avenue to Columbia road; thence through Columbia road to its intersection with the location of the Plymouth Division of the New York, New Haven & Hartford Railroad; thence by a direct line about northeasterly to the shore line of Boston, on "Old Harbor" so called, at a point where said line, running nearly east and west, turns a slightly obtuse angle near the southeasterly limits of Columbus Park and runs nearly north and south; thence by said shore line on said "Old Harbor," on Boston Harbor and on Dorchester Bay, to a point where said line, running nearly north and south, makes a slightly obtuse angle and runs nearly east, said angle being that nearest to the intersection of Freeport street with the location of the Plymouth Division of the New York, New Haven & Hartford Railroad; thence from said angle by a direct line nearly southwesterly to the intersection of the location of said Plymouth Division of the New York, New Haven & Hartford Railroad and Freeport street; thence through said location to Bay street; thence through Bay street to Maryland street; thence through Maryland street to Savin Hill avenue; thence through Savin Hill avenue to Pleasant street; thence through Pleasant street to Hancock street; thence through Hancock street to Bird street; thence through Bird street to Cedar place; thence through Cedar place to the location of the Midland Division of the New York, New Haven & Hartford Railroad; thence through said location to Quincy street; thence through Quincy street to Mascoma street; thence through Mascoma street to Fayston street; thence through Fayston street to the point of beginning.

WARD FOURTEEN.

(DORCHESTER WEST.)

Beginning at the intersection of Blue Hill avenue and Fayston street; thence through Fayston street to Mascoma street; thence through Mascoma

street to Quincy street; thence through Quincy street to its intersection with the location of the Midland Division of the New York, New Haven & Hartford Railroad; thence through said location to its intersection with Wales place; thence through Wales place to Rock terrace; thence through Rock terrace to Olney street; thence through Olney street to Geneva avenue; thence through Geneva avenue to Bowdoin street; thence through Bowdoin street, across Washington street and through Harvard street to its intersection with the location of the Midland Division of the New York, New Haven & Hartford Railroad; thence through said location to its intersection with the middle line of Elizabeth street extended; thence by said extended line and through Elizabeth street to Norfolk street; thence through Norfolk street to Evelyn street; thence through Evelyn street to Blue Hill avenue; thence through Blue Hill avenue to Walk Hill street; thence through Walk Hill street to Canterbury street; thence through Canterbury street to Blue Hill avenue; thence through Blue Hill avenue to the point of beginning.

WARD FIFTEEN.

(DORCHESTER NORTH CENTRAL.)

Beginning at the intersection of the location of the Midland Division of the New York, New Haven & Hartford Railroad and Cedar place; thence through Cedar place to Bird street; thence through Bird street to Hancock street; thence through Hancock street to Pleasant street; thence through Pleasant street to Savin Hill avenue; thence through Savin Hill avenue to Maryland street; thence through Maryland street to Bay street; thence through Bay street to its intersection with the location of the Plymouth Division of the New York, New Haven & Hartford Railroad; thence through said location (following the Shawmut Branch where said location forks near Harrison square) to Geneva avenue; thence through Geneva avenue to Dakota street; thence through Dakota street to Claybourne street; thence through Claybourne street to Bowdoin street; thence through Bowdoin street to Geneva avenue; thence through Geneva avenue to Olney street; thence through Olney street to Rock terrace; thence through Rock terrace to Wales place; thence through Wales place to its intersection with the location of the Midland Division of the New York, New Haven & Hartford Railroad; thence through said location to the point of beginning.

WARD SIXTEEN.

(DORCHESTER SOUTH.)

Beginning at the intersection of Talbot avenue and Lithgow street; thence through Lithgow street to Wainwright street; thence through Wainwright street to Centre street; thence through Centre street to Nixon street; thence through Nixon street to Mather street; thence through Mather street to Penhallow street; thence through Penhallow street to Melville avenue; thence through Melville avenue to Bourneside street;

thence through Bourneside street to Centervale park; thence through Centervale park to Upland avenue; thence through Upland avenue to Park street; thence through Park street to its intersection with the location of the Shawmut Branch of the Plymouth Division of the New York, New Haven & Hartford Railroad; thence through said location and through the location of the main line of said division where said branch joins it near Harrison square, to its intersection with the middle line of Freeport street; thence in a direct line nearly northeasterly to a slightly obtuse angle in the shore line of Boston on Dorchester Bay, being the nearest angle in said line; thence by said shore line on Dorchester Bay and in the Neponset river to its intersection with the northeasterly side of the location of the Plymouth Division of the New York, New Haven & Hartford Railroad; thence by said northeasterly side of said location to its intersection with the boundary line in the Neponset river between Boston and Quincy; thence by said boundary line in the Neponset river to its intersection with Granite Bridge; thence through said bridge to its intersection with the location of the Milton Branch of the Plymouth Division of the New York, New Haven & Hartford Railroad; thence through said location to its intersection with the middle line of Mellish road extended; thence by said extended line and through Mellish road to Adams street; thence through Adams street to its intersection with the southerly boundary line of Dorchester park extended, said line running nearly northwest and southeast; thence by said boundary line of Dorchester park in several courses as the same is legally established, running in a general westerly direction to its intersection with Dorchester avenue; thence through Dorchester avenue to Talbot avenue; thence through Talbot avenue to the point of beginning.

WARD SEVENTEEN.

(DORCHESTER CENTER.)

Beginning at the intersection of the location of the Midland Division of the New York, New Haven & Hartford Railroad and Harvard street; thence through Harvard street across Washington street and through Bowdoin street to Claybourne street; thence through Claybourne street to Dakota street; thence through Dakota street to Geneva avenue; thence through Geneva avenue to the location of the Shawmut Branch of the New York, New Haven & Hartford Railroad; thence through said location to Park street; thence through Park street to Upland avenue; thence through Upland avenue to Centervale park; thence through Centervale park to Bourneside street; thence through Bourneside street to Melville avenue; thence through Melville avenue to Penhallow street; thence through Penhallow street to Mather street; thence through Mather street to Nixon street; thence through Nixon street to Centre street; thence through Centre street to Wainwright street; thence through Wainwright street to Lithgow street; thence through Lithgow street to Talbot avenue; thence through Talbot avenue to Dorchester avenue; thence through Dor-

chester avenue to its intersection with the southerly boundary line of Dorchester park near Bellows place and St. Gregory's court; thence by said line on several courses as the same is legally established, in a general easterly direction to Adams street; thence through Adams street to Mellish road; thence through Mellish road and by the middle line of Mellish road extended to its intersection with the location of the Milton Branch of the New York, New Haven & Hartford Railroad; thence through said location to its intersection with Granite Bridge; thence through said Granite Bridge to the boundary line in the Neponset river between Boston and Quincy; thence by said boundary line and by the boundary line in Neponset river between Boston and Milton to its intersection with the middle line of Eagle Mill place extended; thence by said extended line and through Eagle Mill place to River street; thence through River street to Groveland street; thence through Groveland street and by its middle line extended through Board of Survey street No. 511 to Morton street; thence through Morton street to its intersection with the location of the Midland Division of the New York, New Haven & Hartford Railroad; thence through said location to the point of beginning.

WARD EIGHTEEN.

(HYDE PARK AND MATTAPAN.)

Beginning at the intersection of Washington street and Poplar street, thence through Poplar street to Canterbury street; thence through Canterbury street to its intersection with the location of the Providence Division of the New York, New Haven & Hartford Railroad; thence through said location to Blakemore street; thence through Blakemore street to Hyde Park avenue; thence through Hyde Park avenue to Neponset avenue; thence through Neponset avenue to Canterbury street; thence through Canterbury street to Walk Hill street; thence through Walk Hill street to Blue Hill avenue; thence through Blue Hill avenue to Evelyn street; thence through Evelyn street to Norfolk street; thence through Norfolk street to Elizabeth street; thence through Elizabeth street and the middle line thereof extended to the location of the Midland Division of the New York, New Haven & Hartford Railroad; thence through said location to Morton street; thence through Morton street to the middle line of Groveland street extended through Board of Survey street No. 511; thence by said extended line and through Groveland street to River street; thence through River street to Eagle Mill place; thence through Eagle Mill place, and its middle line extended to the boundary line in the Neponset river between Boston and Milton; thence by said line in Neponset river to its intersection with the boundary line between Boston and Dedham; thence by said boundary line between Boston and Dedham to its intersection with the boundary line formerly existing between Boston and Hyde Park; thence by said former boundary line to its intersection with the middle line of Turtle Pond road in the Stony Brook Reservation; thence through Turtle Pond road to Washington street; thence through Washington street to the point of beginning.

WARD NINETEEN.

(JAMAICA PLAIN AND ROSLINDALE EAST.)

Beginning at the intersection of Centre street and Perkins street; thence through Perkins street to Chestnut street; thence through Chestnut street to the boundary line between Boston and Brookline; thence by said boundary line to Allandale street; thence through Allandale street to Centre street; thence through Centre street to Walter street; thence through Walter street to the southwesterly boundary line of the Arnold Arboretum; thence by said boundary line on several courses as the same is legally established, and by said line extended, to its intersection with the location of the West Roxbury Branch of the New York, New Haven & Hartford Railroad; thence through said location to its intersection with the middle line of Lee Hill road extended; thence by said extended line and through Lee Hill road to Washington street; thence through Washington street to Poplar street; thence through Poplar street to Canterbury street; thence through Canterbury street to the location of the Providence Division of the New York, New Haven & Hartford Railroad; thence through said location to Blakemore street; thence through Blakemore street to Hyde Park avenue; thence through Hyde Park avenue to Neponset avenue; thence through Neponset avenue to Canterbury street; thence through Canterbury street to Morton street; thence through Morton street to Forest Hills avenue in Forest Hills Cemetery; thence through Forest Hills avenue to Union terrace; thence through Union terrace to its intersection with the northwesterly boundary line of Forest Hills Cemetery; thence by said line on several courses as the same is legally established to Weld Hill street; thence through Weld Hill street to Hyde Park avenue; thence through Hyde Park avenue to Washington street; thence through Washington street to Asticou road; thence through Asticou road to St. Ann street; thence through St. Ann street across South street to the Arborway; thence through the Arborway to Custer street; thence through Custer street to South street; thence through South street to Carolina avenue; thence through Carolina avenue and through Williams street to its intersection with the location of the Providence Division of the New York, New Haven & Hartford Railroad; thence through said location to Atherton street; thence through Atherton street, across Lamartine street and through Mozart street to Chestnut avenue; thence through Chestnut avenue to Forbes street; thence through Forbes street to Centre street; thence through Centre street to the point of beginning.

WARD TWENTY.

(WEST ROXBURY AND ROSLINDALE WEST.)

Beginning at the intersection of Allandale street and the boundary line between Boston and Brookline; thence through Allandale street to Centre street; thence through Centre street to Walter street; thence through Walter street to the southwesterly boundary line of the Arnold Arboretum;

thence by said boundary line on several courses as the same is legally established, and by said line extended, to its intersection with the location of the West Roxbury Branch of the New York, New Haven & Hartford Railroad; thence through said location to its intersection with the middle line of Lee Hill road extended; thence by said extended line and through Lee Hill road to Washington street; thence through Washington street to Turtle Pond road in the Stony Brook Reservation; thence through said Turtle Pond road to the boundary line formerly existing between Boston and Hyde Park; thence by said former boundary line and its extension as the boundary line between Boston and Dedham, and so following said last named boundary line, and the boundary line between Boston and Needham and the boundary line between Boston and Newton and the boundary line between Boston and Brookline, to the point of beginning.

WARD TWENTY-ONE.

(BRIGHTON SOUTH.)

Beginning at the intersection of North Beacon street and Cambridge street at Union square; thence through Cambridge street to its intersection with the location of the Boston & Albany Railroad; thence through said location to its intersection with the middle line of an old creek called Smelt brook, which formerly formed a part of the boundary line between Brighton and Brookline; thence by said middle line of Smelt brook, and the same extended, to its intersection with the boundary line in Charles river between Boston and Cambridge; thence by said boundary line in Charles river to its intersection with the middle line of Granby street extended; thence by said extended middle line, and through Granby street to Commonwealth avenue; thence through Commonwealth avenue to Blandford street; thence through Blandford street, and its middle line extended, to its intersection with the location of the Boston & Albany Railroad; thence through said location to Brookline avenue; thence through Brookline avenue to Kilmarnock street; thence through Kilmarnock street, and by its middle line extended, to its intersection with the middle line of Muddy river in the Back Bay Fens; thence by the middle line of said Muddy river in the Back Bay Fens and in the Riverway to its intersection with the boundary line between Boston and Brookline in the northeasterly line of St. Mary's street extended; thence by said boundary line along the northeasterly side of St. Mary's street, along the southerly side of Commonwealth avenue, and so continuing on various courses as said boundary line is legally established to a point south of Chestnut Hill Reservoir where it meets the boundary line between Boston and Newton; thence by said boundary line between Boston and Newton, around the southwesterly end of Chestnut Hill Reservoir, to the intersection of said line with Commonwealth avenue; thence through Commonwealth avenue to South street; thence through South street to Chestnut Hill avenue; thence through Chestnut Hill avenue to William Jackson avenue; thence through William Jackson avenue to Academy Hill road; thence through

Academy Hill road to Chestnut Hill avenue; thence through Chestnut Hill avenue to Union street; thence through Union street to Nantasket avenue; thence through Nantasket avenue to Washington street; thence through Washington street to Cambridge street; thence through Cambridge street to Dustin street; thence through Dustin street to North Beacon street; thence through North Beacon street to the point of beginning.

WARD TWENTY-TWO.

(BRIGHTON NORTH.)

Beginning at the intersection of Cambridge street and North Beacon street at Union square; thence through North Beacon street to Dustin street; thence through Dustin street to Cambridge street; thence through Cambridge street to Washington street; thence through Washington street to Nantasket avenue; thence through Nantasket avenue to Union street; thence through Union street to Chestnut Hill avenue; thence through Chestnut Hill avenue to Academy Hill road; thence through Academy Hill road to William Jackson avenue; thence through William Jackson avenue to Chestnut Hill avenue; thence through Chestnut Hill avenue to South street; thence through South street to Commonwealth avenue; thence through Commonwealth avenue to its intersection with the boundary line between Boston and Newton; thence by said boundary line to its intersection with the boundary line in Charles river between Boston and Watertown; thence by said boundary line in Charles river and by the boundary line in said river between Boston and Cambridge to its intersection with the middle line extended of an old creek called Smelt brook, which formerly formed a part of the boundary line between Brighton and Brookline; thence by said extended middle line and the middle line of Smelt brook to its intersection with the location of the Boston & Albany Railroad; thence through said location to Cambridge street; thence through Cambridge street to the point of beginning.

[For present boundaries of precincts see DOCUMENT 77—1925.]

MEMBERS OF
CITY GOVERNMENT,
1909-1925.

MAYORS AND CERTAIN OTHER OFFICIALS SINCE 1822.

ORATORS APPOINTED BY THE CITY SINCE 1771.

MASSACHUSETTS MEMBERS OF 72^D CONGRESS
AND
SUFFOLK COUNTY MEMBERS OF LEGISLATURE, 1931-1932.

1909.

MAYOR.

GEORGE A. HIBBARD.¹

ALDERMEN.

FREDERICK J. BRAND, *Chairman*.

James M. Curley,
Daniel A. Whelton,
Daniel J. Donnelly,²
George P. Anderson,
Walter Ballantyne,
Frederick J. Brand,
W. Dudley Cotton, jr.,

James P. Timilty,
J. Frank O'Hare,
John J. Attridge,
Charles L. Carr,
Thomas J. Giblin,
Matthew Hale.

John T. Priest, *City Clerk*.

COUNCILMEN.

GEORGE C. McCABE, *President*.

Ward 1.
Edward C. R. Bagley,
Frank A. Goodwin,
Joseph A. Hoey.

Ward 2.
Joseph H. Pendergast,
Dennis A. O'Neil,
Michael J. Brophy.

Ward 3.
James J. Brennan,
Joseph A. Dart,
William J. Murray.

Ward 4.
Francis M. Ducey,
Patrick B. Carr,
James I. Green.

Ward 5.
John J. Buckley,
William E. Carney,
Edward A. Troy.

Ward 6.
Stephen Gardella,
Francis D. O'Donnell,
Alfred Scigliano.

Ward 7.
John L. Donovan,
John T. Kennedy,
Dominick F. Spellman.

Ward 8.
James J. Ryan,
James A. Bragan,
Adolphus M. Burroughs.

Ward 9.
Isaac Gordon,
Robert J. Howell,
Thomas B. McKeagney.

Ward 10.
J. Henderson Allston,
Channing H. Cox,
William S. Kinney.

Ward 11.
Courtenay Crocker,
Theodore Hoague,
Charles H. Moore.

Ward 12.
Seth Fenelon Arnold,
Alfred G. Davis,
Francis J. H. Jones.

Ward 13.
Leo F. McCullough,³
Stephen A. Welch,
Coleman E. Kelly.

Ward 14.
Cornelius J. Fitzgerald,
Thomas J. Casey,
Joseph L. Collins.

Ward 15.
John O'Hara,
William T. Conway,
Joseph A. O'Bryan.

Ward 16.
John D. McGivern,
Hugh M. Garrity,
William D. McCarthy.

Ward 17.
Thomas M. Joyce,
Francis J. Brennan,
John D. Connors.

Joseph O'Kane, *Clerk*.

Ward 18.
Daniel F. Cronin,
Michael F. O'Brien,
George Kenney.

Ward 19.
Peter A. Hoban,
William J. Kohler,
John J. Donovan.

Ward 20.
Charles T. Harding,
Harry R. Cumming,
William Smith, jr.

Ward 21.
William N. Hackett,
John Ballantyne,
Walter R. Meins.

Ward 22.
William H. Morgan,
George Penshorn,
Bernhard G. Krug.

Ward 23.
George W. Carruth,
George W. Smith,
Ward D. Prescott.

Ward 24.
Frank B. Crane,
James A. Hart,
Clifford C. Best.

Ward 25.
Edward C. Webster,
George C. McCabe,
Charles H. Warren.

¹Elected for two years.²Died June 23, 1909.³Resigned June 3, 1909.

1910.

MAYOR.

JOHN F. FITZGERALD.

CITY COUNCIL.

WALTER BALLANTYNE, *President.*

Term Ends in 1913.
John J. Attridge,
Matthew Hale,
Walter L. Collins.

Term Ends in 1912.
James M. Curley,
Walter Ballantyne,
Thomas J. Kenny.

Term Ends in 1911.
Frederick J. Brand,
Daniel J. McDonald,
Timothy J. Buckley.

1911.

MAYOR.

JOHN F. FITZGERALD.

CITY COUNCIL.

WALTER L. COLLINS, *President.*

Term Ends in 1914.
Daniel J. McDonald,
Timothy J. Buckley,
Earnest E. Smith.

Term Ends in 1913.
John J. Attridge,
Matthew Hale,
Walter L. Collins.

Term Ends in 1912.
James M. Curley,
Walter Ballantyne,
Thomas J. Kenny.

1912.

MAYOR.

JOHN F. FITZGERALD.

CITY COUNCIL.

JOHN J. ATTRIDGE, *President.*

Term Ends in 1915.
Walter Ballantyne,
Thomas J. Kenny,
John A. Coulthurst.

Term Ends in 1914.
Daniel J. McDonald,
Timothy J. Buckley,
Earnest E. Smith.

Term Ends in 1913.
John J. Attridge,
Matthew Hale,
Walter L. Collins.

1913.

MAYOR.

JOHN F. FITZGERALD.

CITY COUNCIL.

THOMAS J. KENNY, *President.*

Term Ends in 1916.
John J. Attridge,
Walter L. Collins,
James A. Watson.

Term Ends in 1915.
Walter Ballantyne,
Thomas J. Kenny,
John A. Coulthurst.

Term Ends in 1914.
Daniel J. McDonald,
Timothy J. Buckley,
Earnest E. Smith.

1914.

JAMES M. CURLEY, MAYOR.

CITY COUNCIL.

DANIEL J. McDONALD, *President.*

Term Ends in 1917.
Daniel J. McDonald,
George W. Coleman,
William H. Woods,

Term Ends in 1916.
John J. Attridge,
Walter L. Collins,
James A. Watson.

Term Ends in 1915.
Walter Ballantyne,
Thomas J. Kenny,
John A. Coulthurst.

NOTE.— The Board of Aldermen and Common Council were abolished by the amended City Charter of 1909 and the City Council was established, consisting of nine members.

1915.

JAMES M. CURLEY, MAYOR.

CITY COUNCIL.

GEORGE W. COLEMAN, *President.*

Term Ends in 1918.	Term Ends in 1917.	Term Ends in 1916.
Walter Ballantyne, John A. Coulthurst, Henry E. Hagan.	George W. Coleman, Daniel J. McDonald, William H. Woods.*	John J. Attridge, Walter L. Collins, James A. Watson.

* Councilor Woods died May 3, 1915, and the City Council elected James J. Storrow, May 24, to serve in his place for the remainder of the municipal year.

1916.

JAMES M. CURLEY, MAYOR.

CITY COUNCIL.

HENRY E. HAGAN, *President.*

Term Ends in 1919.	Term Ends in 1918.	Term Ends in 1917
John J. Attridge, Walter L. Collins, James J. Storrow.	Walter Ballantyne, John A. Coulthurst,* Henry E. Hagan.	Daniel J. McDonald, George W. Coleman, Thomas J. Kenny.

* Councilor Coulthurst died June 30, 1916, and the City Council elected Geoffrey B. Lehy, October 17, to serve in his place for the remainder of the municipal year.

1917.

JAMES M. CURLEY, MAYOR.

CITY COUNCIL.

JAMES J. STORROW, *President.*

Term Ends in 1920.	Term Ends in 1919.	Term Ends in 1918.
Francis J. W. Ford, Daniel J. McDonald, James A. Watson.	John J. Attridge, Walter L. Collins, James J. Storrow.	Walter Ballantyne, Henry E. Hagan, Alfred E. Wellington.

1918.

ANDREW J. PETERS, MAYOR.

CITY COUNCIL.

WALTER L. COLLINS, *President.*

Term Ends in 1921.	Term Ends in 1920.	Term Ends in 1919.
Henry E. Hagan, Daniel W. Lane, James T. Moriarty.	Francis J. W. Ford, Daniel J. McDonald, James A. Watson.	John J. Attridge, Walter L. Collins, James J. Storrow.

1919.

ANDREW J. PETERS MAYOR.

CITY COUNCIL.

FRANCIS J. W. FORD, *President.*

Term Ends in 1922.	Term Ends in 1921.	Term Ends in 1920.
Walter L. Collins, John A. Donoghue, Edward F. McLaughlin.	Henry E. Hagan, Daniel W. Lane, James T. Moriarty.	Francis J. W. Ford, Daniel J. McDonald, James A. Watson.

1920.

ANDREW J. PETERS, MAYOR.

CITY COUNCIL.

JAMES T. MORIARTY, *President.*

Term Ends in 1923.
David J. Brickley,
Francis J. W. Ford,
James A. Watson.

Term Ends in 1922.
Walter L. Collins,
John A. Donoghue,
Edward F. McLaughlin.

Term Ends in 1921.
Henry E. Hagan,
Daniel W. Lane,
James T. Moriarty.

1921.

ANDREW J. PETERS, MAYOR.

CITY COUNCIL.

JAMES A. WATSON, *President.*

Term Ends in 1924.
Henry E. Hagan,
Daniel W. Lane,
James T. Moriarty.

Term Ends in 1923.
David J. Brickley,
Francis J. W. Ford,
James A. Watson.

Term Ends in 1922.
Walter L. Collins,
John A. Donoghue,
Edward F. McLaughlin.

1922.

JAMES M. CURLEY, MAYOR.

CITY COUNCIL.

DAVID J. BRICKLEY, *President.*

Term Ends in 1925.
John A. Donoghue,
George F. Gilbody,
William J. Walsh.

Term Ends in 1924.
Henry E. Hagan,
Daniel W. Lane,
James T. Moriarty.

Term Ends in 1923.
David J. Brickley,
Francis J. W. Ford,
James A. Watson.

1923.

JAMES M. CURLEY, MAYOR.

CITY COUNCIL.

DANIEL W. LANE, *President.*

Term Ends in 1926.
David J. Brickley,
William C. S. Healey,
James A. Watson.

Term Ends in 1925.
John A. Donoghue,
George F. Gilbody,
William J. Walsh.

Term Ends in 1924.
Henry E. Hagan,
Daniel W. Lane,
James T. Moriarty.

1924.*

JAMES M. CURLEY, MAYOR.

CITY COUNCIL.

JOHN A. DONOGHUE, *President.*

Daniel W. Lane,
James T. Moriarty,
James T. Purcell,

David J. Brickley,
William C. S. Healey,
James A. Watson,

John A. Donoghue,
George F. Gilbody,
William J. Walsh.

1925.

JAMES M. CURLEY, MAYOR.

CITY COUNCIL.

JAMES T. MORIARTY, *President.*

Daniel W. Lane,
James T. Moriarty,
James T. Purcell,

David J. Brickley,
William C. S. Healey,
James A. Watson,

John A. Donoghue,
George F. Gilbody,
William J. Walsh.

* By Chapter 479, Acts of 1924, the terms of all members of the City Council expire upon the first Monday in January, 1926. Upon the same date a new City Council of 22 members, one from each ward, assume office.

Mayors of the City of Boston.

From 1822 to the Present Time.

NAME.	Place and Date of Birth.	Died.	Years of Service.
* John Phillips.....	Boston.....Nov. 26, 1770	May 29, 1823	1822.....1
* Josiah Quincy.....	Boston.....Feb. 4, 1772	July 1, 1864	1823-28..6
* Harrison Gray Otis.....	Boston.....Oct. 8, 1765	Oct. 28, 1848	1829-31..3
* Charles Wells.....	Boston.....Dec. 30, 1786	June 3, 1866	1832-33..2
* Theodore Lyman, jr.....	Boston.....Feb. 19, 1792	July 17, 1849	1834-35..2
* Samuel T. Armstrong...	Dorchester.....April 29, 1784	Mar. 26, 1850	1836.....1
* Samuel A. Eliot.....	Boston.....Mar. 5, 1798	Jan. 29, 1862	1837-39..3
* Jonathan Chapman.....	Boston.....Jan. 23, 1807	May 25, 1848	1840-42..3
* Martin Brimmer.....	Roxbury.....June 8, 1793	April 25, 1847	1843-44..2
* Thomas A. Davis.....	Brookline.....Dec. 11, 1798	Nov. 22, 1845	1845.....1
* Josiah Quincy, jr.....	Boston.....Jan. 17, 1802	Nov. 2, 1882	1846-48..3
* John P. Bigelow.....	Groton.....Aug. 25, 1797	July 4, 1872	1849-51..3
* Benjamin Seaver.....	Roxbury.....April 12, 1795	Feb. 14, 1856	1852-53..2
* Jerome V. C. Smith.....	Conway, N. H...July 20, 1800	Aug. 20, 1879	1854-55..2
* Alexander H. Rice.....	Newton.....Aug. 30, 1818	July 22, 1895	1856-57..2
* Frederic W. Lincoln, jr..	Boston.....Feb. 27, 1817	Sept. 13, 1898	1858-60..3
* Joseph M. Wightman...	Boston.....Oct. 19, 1812	Jan. 25, 1885	1861-62..2
* Frederic W. Lincoln, jr..	(See above).....	(See above)...	1863-66..4
* Otis Norcross.....	Boston.....Nov. 2, 1811	Sept. 5, 1882	1867.....1
* Nathaniel B. Shurtleff...	Boston.....June 29, 1810	Oct. 17, 1874	1868-70..3
* William Gaston.....	Killingly, Conn...Oct. 3, 1820	Jan. 19, 1894	1871-72..2
* Henry L. Pierce.....	Stoughton.....Aug. 23, 1825	Dec. 17, 1896	1873, 10 mo.
<i>Leonard R. Cutter</i>	(See under Chairmen of Aldermen)	.....	1873, 2 mo.
* Samuel C. Cobb.....	Taunton.....May 22, 1826	Feb. 18, 1891	1874-76..3
* Frederick O. Prince.....	Boston.....Jan. 18, 1818	June 6, 1899	1877.....1
* Henry L. Pierce.....	(See above).....	(See above)...	1878.....1
* Frederick O. Prince.....	(See above).....	(See above)...	1879-81..3
* Samuel A. Green.....	Groton.....Mar. 16, 1830	Dec. 5, 1918	1882.....1
* Albert Palmer.....	Candia, N. H...Jan. 17, 1831	May 21, 1887	1883.....1
* Augustus P. Martin....	Abbot, Me.....Nov. 23, 1835	Mar. 13, 1902	1884.....1
* Hugh O'Brien.....	Ireland.....July 13, 1827	Aug. 1, 1895	1885-88..4
* Thomas N. Hart.....	North Reading..Jan. 20, 1829	Oct. 4, 1924	1889-90..2
* Nathan Matthews, jr...	Boston.....Mar. 28, 1854	Dec. 11, 1927	1891-94..4
* Edwin U. Curtis.....	Roxbury.....Mar. 26, 1861	Mar. 28, 1922	1895.....1
* † Josiah Quincy.....	Quincy.....Oct. 15, 1859	Sept. 8, 1919	1896-99..4
* † Thomas N. Hart.....	(See above).....	.....	1900-01..2
* † Patrick A. Collins.....	Fermoy, Ireland, Mar. 12, 1844	Sept. 14, 1905	1902-05, 3 $\frac{1}{4}$
§ <i>Daniel A. Whelton</i>	Boston.....Jan. 21, 1872	.....	1905, 3 $\frac{1}{2}$ mo.
† John F. Fitzgerald.....	Boston.....Feb. 11, 1863	.....	1906-07..2
* † George A. Hibbard....	Boston.....Oct. 27, 1864	May 29, 1910	1908-09..2
¶ John F. Fitzgerald.....	(See above).....	.....	1910-13..4
¶ James M. Curley.....	Boston.....Nov. 20, 1874	.....	1914-17..4
¶ Andrew J. Peters.....	Jamaica Plain...April 3, 1872	.....	1918-21..4
¶ James M. Curley.....	(See above).....	.....	1922-25..4
¶ Malcolm E. Nichols....	Portland, Me...May 8, 1876	.....	1926-29
James M. Curley.....	(See above).....	.....	1930-34.

* Deceased.

§ Acting Mayor.

† Elected for two years.

‡ Twice elected for two years.

¶ Elected for four years.

NOTE.—From January 6, 1845, to February 27, 1845, or from the close of Mayor Brimmer's term of office till the election of his successor, Thomas A. Davis, the Chairman of the Board of Aldermen, William Parker, performed the duties of Mayor.

In the interim between the death of Mayor Davis, on November 22, 1845, and the election on December 11, 1845, of his successor, Josiah Quincy, jr., Benson Leavitt, Chairman of the Board of Aldermen, acted as Mayor.

There were three balloting for the election of Mayor for 1854, between December 12, 1853, and January 9, 1854. In the meantime the duties of Mayor were performed by Benjamin L. Allen, Chairman of the Board of Aldermen.

In 1873 Mayor Pierce resigned his office on November 29, on his election to the Congress of the United States. During the remainder of the municipal year Leonard R. Cutter, Chairman of the Board of Aldermen, served *ex officio* as Acting Mayor.

Mayor Collins died on September 14, 1905. Daniel A. Whelton, Chairman of the Board of Aldermen, was Acting Mayor for the remainder of the municipal year, viz., September 15, 1905, to January 1, 1906.

Chairmen of the Board of Aldermen.

NAME.	Place and Date of Birth.	Died.	Years of Service.
* William Washburn.....	Lyme, N. H....Oct. 7, 1808	Oct. 30, 1890	1855
* Pelham Bonney.....	Pembroke.....Feb. 21, 1802	April 29, 1861	1856-57
* Joseph Milner Wightman	Boston.....Oct. 19, 1812	Jan. 25, 1885	1858
* Silas Peirce.....	Scituate.....Feb. 15, 1793	Aug. 27, 1879	1859
* Otis Clapp.....	Westhampton...Mar. 3, 1806	Sept. 18, 1886	1860
* Silas Peirce.....	(See above).....	(See above)...	1861
* Thomas Phillips Rich...	Lynn.....Mar. 31, 1803	Dec. 11, 1875	1862
* Thomas Coffin Amory, jr.	Boston.....Aug. 16, 1812	Oct. 10, 1899	1863
* Otis Norcross.....	Boston.....Nov. 2, 1811	Sept. 5, 1882	1864
* George W. Messinger...	Boston.....Feb. 5, 1813	April 27, 1870	1865-66
* Charles Wesley Slack...	Boston.....Feb. 21, 1825	April 11, 1885	1867
* George W. Messinger...	(See above).....	(See above)...	1868
* Benjamin James.....	Scituate.....Aug. 22, 1814	April 13, 1901	1869
* Newton Talbot.....	Stoughton.....Mar. 10, 1815	Feb. 3, 1904	1870
* Charles Edward Jenkins,	Scituate.....July 29, 1817	Aug. 1, 1882	1871
* Samuel Little.....	Hingham.....Aug. 15, 1827	Dec. 21, 1906	1872
* Leonard R. Cutter.....	Jaffrey, N. H....July 1, 1825	July 13, 1894	1873
* John Taylor Clark.....	Sanbornton, N.H., Sep. 19, 1825	Oct. 29, 1880	1874-77
* Solomon Bliss Stebbins..	Warren.....Jan. 18, 1830	June 8, 1910	1878
* Hugh O'Brien.....	Ireland.....July 13, 1827	Aug. 1, 1895	1879-81
* Solomon Bliss Stebbins..	(See above).....	(See above)...	1882
* Hugh O'Brien.....	(See above).....	(See above)...	1883
* Charles Varney Whitten,	Vassalboro, Me., May 10, 1829	Mar. 18, 1891	1884-85
* Charles Hastings Allen..	Boston.....June 14, 1828	Mar. 31, 1907	1886
* Patrick John Donovan..	Charlestown...April 9, 1848	Sept. 18, 1912	1887
* Charles Hastings Allen..	(See above).....	(See above)...	1888
* Homer Rogers.....	Sudbury.....Oct. 11, 1840	Nov. 10, 1907	1889
William Power Wilson...	Baltimore, Md..Nov. 15, 1852	.....	1890
* Herbert Schaw Carruth..	Dorchester....Feb. 15, 1855	Dec. 27, 1917	1891
* John Henry Lee.....	Boston.....April 26, 1846	Sept. 12, 1923	1892-93
Alpheus Sanford.....	North Attleboro'..July 5, 1856	.....	1894-95
* John Henry Lee.....	(See above).....	.....	1896

* Deceased.

NOTE.—The Mayor was *ex officio* Chairman of the Board of Aldermen from the incorporation of the City until 1855; the Board elected a permanent Chairman from 1855.

CHAIRMEN OF THE BOARD OF ALDERMEN.— *Concluded.*

NAME.	Place and Date of Birth.	Died.	Years of Service.
† Perlie Appleton Dyar...	Lynn.....Mar. 26, 1857	.....	1897-98
† Joseph Aloysius Conry..	Brookline.....Sept. 12, 1868	.....	1898
* David Franklin Barry...	Boston.....Feb. 29, 1852	July 23, 1911	1899
* Michael Joseph O'Brien.	Ireland.....Feb. 11, 1855	April 5, 1903	1900
James Henry Doyle.....	Boston.....June 17, 1867	.....	1901-04
Daniel A. Whelton.....	Boston.....Jan. 21, 1872	.....	1905
† Charles Martin Draper..	Dedham.....Nov. 1, 1869	.....	1906
* † Edward L. Cauley.....	Charlestown....Aug. 8, 1870	April 19, 1928	1906
William Berwin.....	New Orleans, La.,Dec. 16, 1858	.....	1907
* Louis M. Clark.....	Dorchester.....Dec. 14, 1858	Mar. 15, 1914	1908
* Frederick J. Brand.....	Plainville, Conn., Feb. 3, 1861	Mar. 16, 1912	1909

Presidents of the Common Council.

NAME.	Place and Date of Birth.	Died.	Years of Service.
* William Prescott.....	Pepperell.....Aug. 19, 1762	Dec. 8, 1844	1822
* John Welles.....	Boston.....Oct. 14, 1764	Sept. 26, 1855	1823
* Francis Johonnot Oliver,	Boston.....Oct. 10, 1777	Aug. 21, 1858	1824-25
* John Richardson Adan..	Boston.....July 8, 1793	July 4, 1849	1826-28
* Eliphalet Williams.....	Taunton.....Mar. 7, 1778	June 12, 1855	1829
* Benj. Toppan Pickman..	Salem.....Sept. 17, 1790	Mar. 22, 1835	1830-31
* John Prescott Bigelow...	Groton.....Aug. 25, 1797	July 4, 1872	1832-33
* Josiah Quincy, jr.....	Boston.....Jan. 17, 1802	Nov. 2, 1882	1834-36
* Philip Marette.....	Boston.....Sept. 25, 1792	Mar. 22, 1869	1837-40
* Edward Blake.....	Boston.....Sept. 28, 1805	Sept. 4, 1873	1841-43
* Peleg Whitman Chandler	N. Gloucester, Me., Apr. 12, '16	May 28, 1889	1844-45
* George Stillman Hillard,	Machias, Me....Sept. 22, 1808	Jan. 21, 1879	1846-47 ¹
* Benjamin Seaver.....	Roxbury.....April 12, 1795	Feb. 14, 1856	1847 ² -49
* Francis Brinley.....	Boston.....Nov. 10, 1800	June 14, 1889	1850-51
* Henry Joseph Gardner..	Dorchester.....June 14, 1818	July 19, 1892	1852-53
* Alex. Hamilton Rice....	Newton.....Aug. 30, 1818	July 22, 1895	1854
* Joseph Story.....	Marblehead....Nov. 11, 1822	June 22, 1905	1855
* Oliver Stevens.....	Andover.....June 22, 1825	Aug. 23, 1905	1856-57
* Samuel W. Waldron, jr..	Portsmouth, N. H., Oct. 24, '28	Aug. 24, 1882	1858
* Josiah Putnam Bradlee..	Boston.....June 10, 1817	Feb. 2, 1887	1859-60
* Joseph Hildreth Bradley,	Haverhill.....Mar. 5, 1822	Oct. 5, 1882	1861
* Joshua Dorsey Ball.....	Baltimore, Md..July 11, 1828	Dec. 18, 1892	1862
* George Silsbee Hale.....	Keene, N. H....Sept. 24, 1825	July 27, 1897	1863-64
* Wm. Bentley Fowle, jr..	Boston.....July 27, 1826	Jan. 21, 1902	1865

* Deceased.

¹ To July 1.

² From July 1.

† Perlie A. Dyar from January 25, 1898, to April 1, 1898, and October 1, 1898, to end of year. Joseph A. Conry from April 1, 1898, to October 1, 1898.

† Charles M. Draper from February 28, 1906, to September 10, 1906. Edward L. Cauley from September 10, 1906, to end of year.

PRESIDENTS OF THE COMMON COUNCIL.— *Concluded.*

NAME.	Place and Date of Birth.	Died.	Years of Service.
* Joseph Story.....	(See above).....	(See above)	1866
* Weston Lewis.....	Hingham.....April 14, 1834	April 6, 1893	1867
* Charles Hastings Allen..	Boston.....June 14, 1828	Mar. 31, 1907	1868
William Giles Harris....	Revere.....May 15, 1828	Oct. 29, 1897	1869
* Melville Ezra Ingalls....	Harrison, Me...Sept. 6, 1842	July 11, 1914	1870
* Matthias Rich.....	Truro.....June 8, 1820	Dec. 13, 1914	1871
* Marquis Fayette Dickinson, jr.....	Amherst.....Jan. 16, 1840	Sept. 18, 1915	1872
* Edward Olcott Shepard..	Hampton, N.H., Nov. 25, 1835	April 27, 1903	1873-74
* Halsey Joseph Boardman	Norwich, Vt....May 19, 1834	Jan. 15, 1900	1875
* John Q. A. Brackett....	Bradford, N. H., June 8, 1842	April 6, 1918	1876
* Benjamin Pope.....	Waterford, Ire..Jan. 13, 1829	Sept. 24, 1879	1877-78
* William H. Whitmore...	Dorchester.....Sept. 6, 1836	June 14, 1900	1879
Harvey Newton Shepard,	Boston.....July 8, 1850	.....	1880
* Andrew Jackson Bailey..	Charlestown....July 18, 1840	Mar. 21, 1927	1881 ¹
* Charles Edward Pratt...	Vassalboro, Me., Mar. 13, 1845	Aug. 20, 1898	1881 ² -82
* James Joseph Flynn....	St. John, N. B.....1835	Mar. 26, 1884	1883 ³
* Godfrey Morse.....	Wachenheim, Germany, May 17, 1846	June 20, 1911	1883 ⁴
* John Henry Lee.....	Boston.....April 26, 1846	Sept. 12, 1923	1884
* Edward John Jenkins...	London, Eng...Dec. 20, 1854	Oct. 3, 1918	1885-86
* David Franklin Barry...	Boston.....Feb. 29, 1852	July 23, 1911	1887-88
* Horace Gwynne Allen...	Jamaica Plain...July 27, 1855	Feb. 12, 1919	1889-90
* David Franklin Barry...	(See above).....	(See above)...	1891-93
* Christopher Francis O'Brien.....	Boston.....Feb. 17, 1869	April 25, 1899	1894-95
Joseph Aloysius Conry....	Brookline.....Sept. 12, 1868	.....	1896-97
* Timothy Lawrence Con- nolly.....	Boston.....Oct. 5, 1871	Dec. 5, 1928	1898
Daniel Joseph Kiley.....	Boston.....July 27, 1874	.....	1899-1901
Arthur Walter Dolan.....	Boston.....Sept. 22, 1876	.....	1902-05
William John Barrett....	Boston.....June 24, 1872	.....	1906-07
Leo F. McCullough	Boston.....July 1, 1882	.....	1908
* George Cheney McCabe,	Carmel, N. Y...July 5, 1873	Dec. 27, 1917	1909

* Deceased. ¹ To October 27. ² From October 27. ³ To June 11. ⁴ From June 14.

Presidents of the City Council.*

NAME.	Place and Date of Birth.	Died.	Year of Service.
Walter Ballantyne	Hawick, Scotland, Mar. 17, 1855	.....	1910
Walter Leo Collins	Boston.....April 7, 1878	.....	1911
John Joseph Attridge.....	Boston.....Feb. 8, 1878	.....	1912
Thomas Joseph Kenny...	Boston.....Nov. 18, 1863	May 17, 1926	1913
Daniel Joseph McDonald.	Chelsea.....Aug. 14, 1873	.....	1914
George W. Coleman.....	Boston.....June 16, 1867	.....	1915
Henry E. Hagan.....	St. John, N. B..Feb. 26, 1865	.....	1916
James J. Storrow.....	Boston.....Jan. 21, 1864	Mar. 13, 1926	1917
Walter Leo Collins.....	(See above).....	.....	1918
Francis J. W. Ford.....	Boston.....Dec. 23, 1882	.....	1919
James T. Moriarty.....	Amesbury.....Sept. 22, 1876	.....	1920
James A. Watson.....	Boston.....June 24, 1870	.....	1921
David J. Brickley.....	Boston.....Mar. 14, 1889	.....	1922
Daniel W. Lane.....	Boston.....Dec. 11, 1872	.....	1923
John A. Donoghue.....	Boston.....Aug. 12, 1885	.....	1924
James T. Moriarty.....	(See above).....	.....	1925
Charles G. Keene.....	Gardiner, Me...Aug. 6, 1880	.....	1926
John J. Heffernan.....	Boston.....Jan. 27, 1893	Aug. 25, 1927	1927
Thomas H. Green.....	Boston.....May 11, 1883	.....	1928
Timothy F. Donovan	Boston.....Aug. 21, 1889	.....	1929
William G. Lynch.....	Boston.....Oct. 20, 1892	.....	1930
Joseph McGrath.....	Boston.....Dec. 20, 1890	.....	1931

* Single chamber, established in 1910 (see Chap. 486, Acts of 1909, Sects. 48-51).

Orators of Boston.**APPOINTED BY THE PUBLIC AUTHORITIES.***For the Anniversary of the Boston Massacre, March 5, 1770.*

1771 James Lovell.	1778 Jonathan Williams Austin.
1772 Dr. Joseph Warren.	1779 William Tudor.
1773 Dr. Benjamin Church.	1780 Jonathan Mason, jr.
1774 John Hancock.	1781 Thomas Dawes, jr.
1775 Dr. Joseph Warren.	1782 George Richards Minot.
1776 Rev. Peter Thacher.	1783 Dr. Thomas Welsh.
1777 Benjamin Hichborn.	

For the Anniversary of National Independence, July 4, 1776.

1783 Dr. John Warren.	1797 John Callender.
1784 Benjamin Hichborn.	1798 Josiah Quincy.
1785 John Gardiner.	1799 John Lowell, jr.
1786 Jonathan L. Austin.	1800 Joseph Hall.
1787 Thomas Dawes, jr.	1801 Charles Paine.
1788 Harrison Gray Otis.	1802 Rev. William Emerson.
1789 Rev. Samuel Stillman.	1803 William Sullivan.
1790 Edward Gray.	1804 Dr. Thomas Danforth.
1791 Thomas Crafts, jr.	1805 Warren Dutton.
1792 Joseph Blake, jr.	1806 Francis Dana Channing.
1793 John Quincy Adams.	1807 Peter O. Thacher.
1794 John Phillips.	1808 Andrew Ritchie, jr.
1795 George Blake.	1809 William Tudor, jr.
1796 John Lathrop, jr.	1810 Alexander Townsend.

- | | |
|--------------------------------|----------------------------------|
| 1811 James Savage. | 1871 Horace Binney Sargent. |
| 1812 Benjamin Pollard. | 1872 Charles Francis Adams, jr. |
| 1813 Edward St. Loe Livermore. | 1873 Rev. John F. W. Ware. |
| 1814 Benjamin Whitwell. | 1874 Richard Frothingham. |
| 1815 Lemuel Shaw. | 1875 Rev. James Freeman Clarke. |
| 1816 George Sullivan. | 1876 Robert C. Winthrop. |
| 1817 Edward T. Channing. | 1877 William Wirt Warren. |
| 1818 Francis C. Gray. | 1878 Joseph Healey. |
| 1819 Franklin Dexter. | 1879 Henry Cabot Lodge. |
| 1820 Theodore Lyman, jr. | 1880 Robert Dickson Smith. |
| 1821 Charles G. Loring. | 1881 George Washington Warren. |
| 1822 John C. Gray. | 1882 John Davis Long. |
| 1823 Charles Pelham Curtis. | 1883 Rev. H. Bernard Carpenter. |
| 1824 Francis Bassett. | 1884 Harvey N. Shepard. |
| 1825 Charles Sprague. | 1885 Thomas J. Gargan. |
| 1826 Josiah Quincy, Mayor. | 1886 George Fred Williams. |
| 1827 William Powell Mason. | 1887 John E. Fitzgerald. |
| 1828 Bradford Sumner. | 1888 William E. L. Dillaway. |
| 1829 James T. Austin. | 1889 John L. Swift. |
| 1830 Alexander H. Everett. | 1890 Albert E. Pillsbury. |
| 1831 Rev. John G. Palfrey. | 1891 Josiah Quincy. |
| 1832 Josiah Quincy, jr. | 1892 John R. Murphy. |
| 1833 Edward G. Prescott. | 1893 Henry W. Putnam. |
| 1834 Richard S. Fay. | 1894 Joseph H. O'Neil. |
| 1835 George S. Hillard. | 1895 Rev. Adolph Augustus Berle. |
| 1836 Henry W. Kinsman. | 1896 John F. Fitzgerald. |
| 1837 Jonathan Chapman. | 1897 Rev. Edward Everett Hale. |
| 1838 Rev. Hubbard Winslow. | 1898 Rev. Denis O'Callaghan. |
| 1839 Ivers James Austin. | 1899 Nathan Matthews, jr. |
| 1840 Thomas Power. | 1900 Stephen O'Meara. |
| 1841 George Ticknor Curtis. | 1901 Curtis Guild, jr. |
| 1842 Horace Mann. | 1902 Joseph A. Conry. |
| 1843 Charles Francis Adams. | 1903 Edwin D. Mead. |
| 1844 Peleg W. Chandler. | 1904 John A. Sullivan. |
| 1845 Charles Sumner. | 1905 Le Baron B. Colt. |
| 1846 Fletcher Webster. | 1906 Timothy W. Coakley. |
| 1847 Thomas G. Carey. | 1907 Rev. Edward A. Horton. |
| 1848 Joel Giles. | 1908 Arthur D. Hill. |
| 1849 William W. Greenough. | 1909 Arthur L. Spring. |
| 1850 Edwin P. Whipple. | 1910 James H. Wolff. |
| 1851 Charles Theodore Russell. | 1911 Charles William Eliot. |
| 1852 Rev. Thomas Starr King. | 1912 Joseph C. Pelletier. |
| 1853 Timothy Bigelow. | 1913 Grenville S. MacFarland. |
| 1854 Rev. A. L. Stone. | 1914 Rev. James A. Supple. |
| 1855 Rev. A. A. Miner. | 1915 Louis D. Brandeis. |
| 1856 Edward Griffin Parker. | 1916 Joe Mitchell Chapple. |
| 1857 Rev. William R. Alger. | 1917 Daniel J. Gallagher. |
| 1858 John S. Holmes. | 1918 William H. P. Faunce. |
| 1859 George Sumner. | 1919 Charles Ambrose DeCourcy. |
| 1860 Edward Everett. | 1920 Jacob L. Wiseman. |
| 1861 Theophilus Parsons. | 1921 Lemuel H. Murlin. |
| 1862 George Ticknor Curtis. | 1922 Jeremiah E. Burke. |
| 1863 Oliver Wendell Holmes. | 1923 Rev. Charles W. Lyons. |
| 1864 Thomas Russell. | 1924 Rev. Dudley H Ferrell. |
| 1865 Rev. Jacob M. Manning. | 1925 Thomas H. Dowd. |
| 1866 Rev. S. K. Lothrop. | 1926 Andrew J. Peters. |
| 1867 Rev. George H. Hepworth. | 1927 William McGinnis. |
| 1868 Samuel Eliot. | 1928 Hon. Edith Nourse Rogers. |
| 1869 Ellis W. Morton. | 1929 Hon. Robert Luce. |
| 1870 William Everett. | 1930 Hon. Herbert Parker. |

MEMBERS OF THE STATE LEGISLATURE FROM SUFFOLK COUNTY FOR 1931-1932.

SENATORS. (8.)

1ST SUFFOLK DISTRICT		CONDE BRODBINE, R.
2D SUFFOLK DISTRICT		J. P. BUCKLEY, D.
3D SUFFOLK DISTRICT		HENRY PARKMAN, JR., R.
4TH SUFFOLK DISTRICT		JAMES J. TWOHIG, D.
5TH SUFFOLK DISTRICT		MICHAEL J. WARD, D.
6TH SUFFOLK DISTRICT		GASPAR G. BACON, R.
7TH SUFFOLK DISTRICT		JOSEPH FINNEGAN, D.
8TH SUFFOLK DISTRICT		MAX ULIN, R.

REPRESENTATIVES. (48.)

WARD 1.	{ WILLIAM H. BARKER, D. ALEXANDER SULLIVAN.* WILLIAM H. HEARN, D.	WARD 12.	{ ABRAHAM B. CASSON, R. HERBERT P. F. SHAUGHNESSY, D.
WARD 2.	{ ROBERT LEE, D. WILLIAM P. PRENDERGAST, D.	WARD 13.	{ J. V. MAHONEY, D. PETER J. FITZGERALD, D.
WARD 3.	{ J. P. HIGGINS, D. F. A. MARCELLA, D.	WARD 14.	{ BERNARD FINKELSTEIN, D. JULIUS H. SOBLE, D.
WARD 4.	{ GEORGE P. ANDERSON, R. RICHARD E. JOHNSTON, R.	WARD 15.	{ MARCUS J. LEVINS, D. LEWIS R. SULLIVAN, D.
WARD 5.	{ CHRISTIAN A. HERTER, R. ELIOT WADSWORTH, R.	WARD 16.	{ JOHN J. CONCANNON, D. JOHN EDWARD HURLEY, ID.
WARD 6.	{ WILLIAM P. HICKEY, D. ROBERT V. LEE, D.	WARD 17.	{ F. J. MCFARLAND, D. OWEN A. GALLAGHER, D.
WARD 7.	{ E. P. DURGIN, D. J. J. REARDON, D.	WARD 18.	{ JOSEPH A. LOGAN, D. PATRICK J. WELSH, D.
WARD 8.	{ F. D. DAILEY, D. ANTHONY A. McNULTY, D.	WARD 19.	{ J. C. WHITE, D. WILLIAM C. DOLAN, D.
WARD 9.	{ TIMOTHY J. COSTELLO, D. J. P. CONNOLLY, D.	WARD 20.	{ HAROLD R. DUFFIE, R. GEORGE A. GILMAN, R.
WARD 10.	{ THOMAS S. KENNEDY, D. JAMES W. HENNIGAN, D.	WARD 21.	{ JOHN F. MURPHY, D.
WARD 11.	{ WILLIAM F. MADDEN, D. TIMOTHY J. McDONOUGH, D.	WARD 22.	{ LEO M. BIRMINGHAM, D.
		CHELSEA WARDS 1, 2, 3.	{ WILLIAM H. MELLEY, R. D.
		CHELSEA WARDS 4, 5.	{ JOHN W. MCLEOD, R.
		REVERE	{ AUGUSTINE AIROLA, R. THOMAS F. CARROLL, R.
		WINTHROP.	JOHN P. CLANCY, D.

* No designation.

MEMBERS OF THE SEVENTY-SECOND CONGRESS FROM MASSACHUSETTS.

SENATORS.

MARCUS A. COOLIDGE, D. of Fitchburg.
 DAVID I. WALSH, D. of Fitchburg.

REPRESENTATIVES.

District 1 — ALLEN T. TREADWAY, R. . . of Stockbridge.
 2 — WILLIAM J. GRANFIELD, D. . . of Springfield.
 3 — FRANK H. FOSS, R. . . of Fitchburg.
 4 — PEHR G. HOLMES, R. . . of Worcester.
 5 — EDITH NOURSE ROGERS, R. . . of Lowell.
 6 — A. PIATT ANDREW, R. . . of Gloucester.
 7 — WILLIAM P. CONNERY, JR., D. . of Lynn.
 8 — FREDERICK W. DALLINGER, R. . of Cambridge.
 9 — CHARLES L. UNDERHILL, R. . of Somerville.
 10 — JOHN J. DOUGLASS, D. . . of Boston.
 11 — GEORGE HOLDEN TINKHAM, R. . of Boston.
 12 — JOHN W. MCCORMACK, D. . . of Boston.
 13 — ROBERT LUCE, R. . . of Waltham.
 14 — RICHARD B. WIGGLESWORTH, R. . of Milton.
 15 — JOSEPH W. MARTIN, JR., R. . . of North Attleboro.
 16 — CHARLES L. GIFFORD, R. . . of Barnstable.

Terms end March 4, 1929.

CONGRESSIONAL DISTRICTS.

GENERAL LAWS, CHAPTER 57, SECTION 1.

(As amended by Acts of 1926, Chapter 372, Section 1.)

DISTRICT 9.—Suffolk County: Chelsea, Wards 3, 4 and 5. Revere; Winthrop. Middlesex County: Everett, Malden and Somerville.

DISTRICT 10.—Suffolk County: Chelsea, Wards 1 and 2. Boston, Wards 1, 2 and 3; Ward 8, Precincts 1, 2, 3, 4, 5, 6, 7, 8 and 14; Ward 9, Precincts 10, 11, 12, 13, 14 and 15. Middlesex County: Cambridge, Ward 1.

DISTRICT 11.—Suffolk County: Boston, Wards 4, 5, 10, 11, 12, 19 and 20; Ward 9, Precincts 1, 2, 3, 4, 5, 6, 7, 8 and 9.

DISTRICT 12.—Suffolk County: Boston, Wards 6, 7, 13, 14, 15, 16 and 17; Ward 8, Precincts 9, 10, 11, 12 and 13.

DISTRICT 13.—Suffolk County: Boston, Wards 21 and 22. Norfolk County: Bellingham, Brookline, Dover, Franklin, Medfield, Medway, Millis, Needham, Norfolk, Plainville, Walpole, Wellesley and Wrentham. Middlesex County: Ashland, Framingham, Holliston, Natick, Newton, Sherborn, Waltham and Weston. Worcester County: Hopedale, Milford and Southborough.

DISTRICT 14.—Suffolk County: Boston, Ward 18. Bristol County: Easton. Norfolk County: Avon, Braintree, Canton, Dedham, Foxborough, Holbrook, Milton, Norwood, Quincy, Randolph, Sharon, Stoughton, Westwood and Weymouth. Plymouth County: Abington, Brockton, East Bridgewater, West Bridgewater and Whitman.

FOREIGN CONSULS IN BOSTON.

- Albania — George N. Prifti, 6 Beacon street, room 202.
Argentina — Joseph J. McLean, 33 Broad street.
Belgium — Livingston Davis, 73 Tremont street.
Bolivia — Jaime Mackay D'Almeida, 244 Washington street.
Brazil — Jaime Mackay D'Almeida, 244 Washington street; Pedro Mackay D'Almeida, 244 Washington street, room 407, Commercial Agent.
Colombia — Enrique Naranjo, 92 University road, Brookline; Arthur P. Cushing, 101 Tremont street, Vice-Consul, room 805, 10 High street, room 533.
Costa Rica — Mario Sancho, 10 High street, room 333.
Cuba — Jose M. Gonzales, 114 State street, room 60.
Denmark — Niels H. Larsen, 812 Statler Building.
Dominican Republic — Max L. Glazer, 262 Washington street.
Ecuador — Max Otto von Klock, 143 Federal street, room 38, Acting Consul.
Finland — John Alfred Anderson, 7 Temple street, Quincy, Mass.
France — J. C. Joseph Flamand, 161 Devonshire street, room 706.
Germany — K. von Tippleskirch, 131 State street, room 322.
Great Britain — Edward F. Gray, 150 State street, Consul-General; James A. Brannen, Vice-Consul.
Greece — Dr. J. Pericles Polyvios, 25 Huntington avenue, Consul.
Guatemala — William A. Mosman, 92 Water street, room 62.
Hayti — B. Preston Clark, 55 Kilby street, room 33.
Honduras — Mario Sancho, 10 High street.
Iceland — Nils H. Larsen, 812 Statler Building.
Irish Free State — P. G. Foley, Passport Control Officer, 84 State street, room 911.
Italy — Pio Margotti, 142 Berkeley street, room 307; Silvio Vitale, 142 Berkeley street, Vice-Consul.
Japan — Courtenay Crocker, 44 School street.
Mexico — Filomino Mata, 89 State street.
Monaco — Charles E. Flamand, 161 Devonshire street, room 504.
Netherlands — J. H. Reurs, 89 State street, room 2.
Nicaragua — Jaime M. de Almeida, 244 Washington street, room 407.
Norway — George T. Vedeler, 40 Broad street, room 803, Vice-Consul.
Panama — Alfred Shrigley, 11 Pemberton square.
Paraguay — Jerome A. Petitti, 18 Tremont street, room 822.
Peru — Max Otto von Klock, 143 Federal street, room 38, Acting Consul.
Portugal — J. M. Bettencourt Ferrerira, 161 Devonshire street, room 21A.

Russia — Joseph A. Conry, 1 Beacon street, room 905.

Salvador — Ralph Tirrell, 112 Beach street.

Spain — Pelayo Garcia-Olay, 234 Boylston street, Consul.

Sweden — Carl W. Johansson, 19 Milk street, Vice-Consul.

Switzerland — George H. Barrell, 88 Broad street, room 712, Consular Agent.

Turkey — George R. Farnum, 6 Beacon street.

Uruguay — William A. Mosman, 92 Water street, room 62.

For countries not listed above, address the respective Consulates General in New York City.

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Public Library Branch in	70
Public Schools in	125
Representatives of, in Legislature, 1931	170

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Police 122	
Supervisor of:	
Bridges, Public Works Dept.	90
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MONTHLY STATEMENT

OF THE

CITY TREASURER

AND OF THE

TREASURER OF THE BOARD OF COMMISSIONERS
OF SINKING FUNDS.

TREASURY DEPARTMENT,
BOSTON, February 2, 1931.

HON. JAMES M. CURLEY,
Mayor of the City of Boston:

SIR,— The undersigned herewith presents a statement of the receipts and payments of the City of Boston and County of Suffolk for the month of January, 1931, being one month of the financial year 1931, also of the balance of money remaining in the Treasury January 31, 1931, and where deposited.

A statement of Trust Funds and of the receipts, payments and resources of the Sinking Funds is appended.

Respectfully submitted,

EDMUND L. DOLAN,
City Treasurer.

RECEIPTS.

	Receipts in January, 1931.		Total Receipts for one month of the Financial Year 1931.	
On account of the City of Boston:				
City Collector.....		\$2,419,583 45		\$2,419,583 45
Interest on Bank Deposits:				
Sundry Trust Funds.....	\$143 17		\$143 17	
Transit Accounts.....	1,112 15		1,112 15	
		1,255 32		1,255 32
Trust Funds:				
Investments Matured, etc.:				
Cemetery Fund.....	\$9,000 00		\$9,000 00	
Billings Westerly Ceme- tery Fund.....	1,000 00		1,000 00	
Mt. Hope Cemetery Fund,	5,000 00		5,000 00	
George F. Parkman Fund, Principal.....	7,000 00		7,000 00	
Police Charitable Fund....	3,000 00		3,000 00	
Public Library Funds:				
Scholfield Fund.....	1,000 00		1,000 00	
School Funds:				
Gibson Fund.....	5,000 00		5,000 00	
George R. White Fund:				
Principal.....	2,000 00		2,000 00	
Boston Retirement Board:				
Pension Accumulation Fund, Payments.....	58,006 41		58,006 41	
Retirement Reserve Fund, Payments.....	6,995 35		6,995 35	
Hospital Funds:				
A. Shuman Memorial Building for Convales- cent Men.....	1,175 00		1,175 00	
Franklin Fund, First Part, Income.....	105 00		105 00	
Franklin Union, Income.....	11,204 39		11,204 39	
George F. Parkman Fund, Principal.....	36,663 29		36,663 29	
Carried forward.....	\$147,149 44	\$2,420,838 77	\$147,149 44	\$2,420,838 77

RECEIPTS.— Concluded.

	Receipts in January, 1931.		Total Receipts for one month of the Financial Year 1931.	
<i>Brought forward</i>	\$147,149 44	\$2,420,838 77	\$147,149 44	\$2,420,838 77
Trust Funds, <i>Concluded</i> .				
Public Library Funds:				
"The Children's Fund," Income.....	11 21	.....	11 21	
Library Department Trust Fund, Income.....	49 43	.....	49 43	
Traffic Tunnel.....	120 08	.....	120 08	
George R. White Fund, In- come.....	11,480 74	.....	11,480 74	
		158,810 90		158,810 90
		\$2,579,649 67		\$2,579,649 67
On account of the County of Suffolk:				
City Collector.....		57,083 15		57,083 15
Total Receipts.....		\$2,636,732 82		\$2,636,732 82

PAYMENTS.

	Payments in January, 1931.		Total Payments for one month of the Financial Year 1931.	
On account of the City of Boston:				
Mayor's Drafts,—				
General Drafts.....		\$99,242 53		\$99,242 53
Pay Roll Drafts.....		3,011,354 27		3,011,354 27
Special Drafts,—				
Ordinary Payments.....	\$1,771,379 56		\$1,771,379 56	
Interest on City Debt.....	333 33		333 33	
Interest on Dorchester Tun- nel Debt.....	800 00		800 00	
Interest on East Boston Tunnel Alterations Debt..	323 75		323 75	
Refunds:				
Ash and Garbage Tickets,	313 80		313 80	
Duplicate and Overpay- ments to City Collector,	1,626 81		1,626 81	
Ferry Tolls.....	7 90		7 90	
Motor Vehicles Excise Tax,	2,851 97		2,851 97	
Taxes.....	11,510 88		11,510 88	
		1,789,148 00		1,789,148 00
		\$4,899,744 80		\$4,899,744 80
Board of Commissioners of Sinking Funds:				
Revenue collected.....		54,810 37		54,810 37
City Debt drawn for and un- paid as of January 1, 1931,		1,000 00		1,000 00
Commonwealth of Massachu- setts:				
Corporation Tax.....	\$1,437 70		\$1,437 70	
National Bank Tax.....	750 33		750 33	
		2,188 03		2,188 03
Pay Roll Tailings, City Ac- count.....		166 70		166 70
A. Shuman Memorial Building for Convalescent Men.....		1,175 00		1,175 00
Sundry Trust Funds.....		10 15		10 15
Carried forward.....		\$4,959,095 05		\$4,959,095 05

PAYMENTS.— Continued.

	Payments in January, 1931.		Total Payments for one month of the Financial Year 1931.	
<i>Brought forward</i>.....	.....	\$4,959,095 05	.....	\$4,959,095 05
On account of the County of Suffolk:				
General Payments.....	\$1,344 98	.....	\$1,344 98	.
Pay Roll Payments.....	214,303 56	.....	214,303 56	
Special Payments:				
Other than Interest.....	24,446 58	.....	24,446 58	
Pay Roll Tailings.....	6 60	.....	6 60	
		240,101 72		240,101 72
Total Payments.....	.....	\$5,199,196 77	.....	\$5,199,196 77

RECAPITULATION.

Balance, January 1, 1931		\$14,839,624 08
Receipts for one month, City account	\$2,579,649 67	
" " " " County account	57,083 15	
		2,636,732 82
		\$17,476,356 90
Payments for one month, City account	\$4,959,095 05	
" " " " County account	240,101 72	
		5,199,196 77
Balance, January 31, 1931, as shown in detail		\$12,277,160 13
Balance of cash on hand January 31, 1931, available for Regular Appropriations, Loans, etc.		\$11,069,628 14
Balances, Special and Trust accounts		1,148,088 39
Balances, Sundry Trust Funds accounts, etc.		59,443 60
		<u>\$12,277,160 13</u>

Balance, January 31, 1931, as per Preceding Statements, as follows:

RESERVE.

Banca Commerciale Italiana Trust Company	\$125,000 00	
Charlestown Trust Company	95,000 00	
Boston-Continental National Bank	200,000 00	
Day Trust Company	300,000 00	
Federal National Bank	470,000 00	
Harris Forbes Trust Company	300,000 00	
Industrial Bank and Trust Company	95,000 00	
National Rockland Bank	200,000 00	
		\$1,785,000 00

ACTIVE.

Atlantic National Bank	\$354,891 90	
Bank of Commerce and Trust Company	276,000 00	
Boston-Continental National Bank	176,109 59	
Boston Safe Deposit and Trust Company, ...	126,000 00	
Day Trust Company	155,000 00	
Exchange Trust Company	341,536 98	
Federal National Bank, Special Account, ...	23 60	
First National Bank	3,379,351 92	
Merchants National Bank	201,769 64	
New England Trust Company	151,000 00	
National Rockland Bank	300,349 32	
National Shawmut Bank	210,434 16	
Second National Bank	225,941 29	
State Street Trust Company	300,845 82	
United States Trust Company	347 28	
Webster and Atlas National Bank	25,000 00	
		6,224,601 50
Carried forward		\$8,009,601 50

TREASURER'S MONTHLY STATEMENT.

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<i>Brought forward</i>		\$8,009,601 50
CERTIFICATES OF DEPOSIT.		
National Rockland Bank	\$1,000,000 00	
United States Trust Company	500,000 00	
		1,500,000 00
EXCHANGE TRUST COMPANY.		
Boylston Street Subway, Acts of 1930	\$35,163 02	
George F. Parkman Fund, Income	37,163 29	
East Boston Tunnel Extension	12,339 29	
East Boston Tunnel, Alterations, Acts of 1924	6,640 63	
Tremont Street Subway Alterations, Acts of 1924	8,176 91	
FEDERAL NATIONAL BANK.		
Pay roll tailings, Account No. 2	84,776 59	
Interest tailings	7,368 15	
Sidewalk assessment, tailings	5,105 92	
Dorchester Tunnel	3,961 79	
East Boston Tunnel, Alterations	85,758 34	
Rapid Transit Interest and Sinking Fund,	200,000 00	
FIRST NATIONAL BANK.		
George R. White Fund, Principal	8,394 84	
George R. White Fund, Income	87,065 87	
Library Department Trust Funds Income,	45,055 31	
Sundry Trust Funds	59,443 60	
The Children's Fund, Principal	117 74	
The Children's Fund, Income	5,628 08	
Traffic Tunnel, Certificate of Deposit	1,000,000 00	
Traffic Tunnel, Reserve	500,000 00	
MERCHANTS NATIONAL BANK.		
Franklin Union, Andrew Carnegie Donation	82 61	
George F. Parkman Fund, Principal	7,809 86	
NATIONAL ROCKLAND BANK.		
Boston Tunnel and Subway	62,319 60	
Boylston Street Subway	2,286 97	
Cambridge Connection	2,474 48	
Rapid Transit Interest and Sinking Fund,	147,000 00	
NATIONAL SHAWMUT BANK.		
Dorchester Rapid Transit	4,865 61	
Rapid Transit Interest and Sinking Fund,	85,533 77	
Traffic Tunnel	215,789 05	
SUFFOLK SAVINGS BANK.		
Franklin Fund, First Part	676 17	
WEBSTER AND ATLAS NATIONAL BANK.		
Arlington Station	2,880 83	
		2,723,878 32
		\$12,233,479 82
Cash and cash vouchers in office, including County and other duly authorized payments, in advance of Mayor's and County Auditor's drafts for the same		
		43,680 31
Total, January 31, 1931		\$12,277,160 13

Statement of Trust Funds, etc., in Custody of City Treasurer.

Babcock Music	\$3,110 12
James Phinney Baxter Bequest	6,860 67
Billings Westerly Cemetery	5,000 00
Boston Retirement Board:	
Annuity Savings Fund	5,400,031 64
Pension Accumulation Fund	8,940,519 89
Retirement Reserve Fund	638,778 22
Bunker Hill Burial Ground	40 00
Cemetery	1,150,192 89
City Hospital	255,120 14
Copenhagen	5,000 00
Curley-Parker Fund	201 50
Dorchester North Burial Ground	10,861 50
Dorchester South Cemetery	3,702 50
Evergreen Cemetery	83,579 13
Fairview Cemetery	64,642 18
Fitzgerald Firemen's Gold Medal	1,000 00
Foss Seventeenth of June and Flag	4,000 00
John Foster	660 99
Franklin, First Part	6,676 17
" Second Part	498,975 56
Franklin Union, Andrew Carnegie Donation	408,479 09
Charles E. French Funds:	
Burial Grounds, Care	10,000 00
Old State House, Repair	3,000 00
Boston Common, Tree	5,000 00
George O. Hovey Bequest	40,000 00
George B. Hyde Bequest	7,018 07
Ellen C. Johnson Bequest	6,837 20
John Larkin	535 00
Susan H. Leeds Bequest	12,043 45
Mount Hope Cemetery	302,675 04
Harleston Parker Medal	1,000 00
George F. Parkman, Principal	5,209,361 50
George F. Parkman, Income	37,163 29
Phipps Street Burial Ground	250 00
Phillips Street	20,000 00
Police Charitable	207,550 00
Poor Widows'	3,200 00
Public Library	768,459 21
George L. Randidge	50,000 00
Sawyer Marcella Street Home	2,400 00
School	179,580 60
George L. Thorndike Coal	10,000 00
Permanent School Pension	974,563 40
Public School Teachers' Retirement	1,280,083 19
Walter Scott Medal for Valor	2,770 00
George R. White, Principal	1,090,077 88
George R. White, Income	199,001 57
George R. White Fund Foundation, Bequest of Mary E. Curley, ...	500 00
Total, January 31, 1931	<u>\$27,910,501 59</u>

Balance Sheet, January 31, 1931, as per Preceding Statement, as follows:

Amount of Funds invested in various securities	\$26,729,059 97	
Amount of Funds, Cash deposited in Banks and in the custody of the City Treasurer:		
Exchange Trust Company:		
George F. Parkman Fund, Income	\$37,163 29	
First National Bank:		
Boston Retirement Board:		
Annuity Savings Fund	234,765 39	
Pension Accumulating Fund	493,380 89	
Retirement Reserve Fund	162,212 42	
Permanent School Pension Fund	26,247 87	
Public School Teachers Retirement Fund	18,452 99	
George R. White Fund, Principal	8,394 84	
George R. White Fund, Income	87,065 87	
"The Children's Fund" (Public Library)		
Principal	117 74	
"The Children's Fund" (Public Library)		
Income	5,628 08	
Merchants National Bank:		
Franklin Union, Andrew Carnegie Donation	82 61	
George F. Parkman Fund, Principal	7,809 86	
National Shawmut Bank:		
George O. Hovey Bequest	40,000 00	
Suffolk Savings Bank:		
Franklin Fund, First Part	676 17	
	\$1,121,998 02	
Cash in custody of City Treasurer:		
Sundry Trust Funds, balances	59,443 60	
		1,181,441 62
Total amount of Funds, January 31, 1931		<u>\$27,910,501 59</u>

DEBT AND SINKING FUND STATEMENT.

Statement of the receipts and payments of the Board of Commissioners of the Sinking Funds for the month ending January 31, 1931, and for one month of the financial year 1931, beginning January 1, 1931, and ending December 31, 1931.

	Statement for the month of January, 1931.		Statement for one month of the Financial Year 1931.	
Balance of Cash December 31, 1930.....				\$1,134,196 22
Balance of Cash December 31, 1930.....		\$1,134,196 22		
Receipts in 1931:				
Interest on Bank Deposits...	\$2,401 79		\$2,401 79	
Interest on Investments.....	311,994 38		311,994 38	
Investments Matured.....	226,000 00		226,000 00	
Betterments, Assessments, etc.,	54,810 37		54,810 37	
		595,206 54		595,206 54
Balance of Cash January 31, 1931.....		\$1,729,402 76		\$1,729,402 76

TOTAL SINKING FUND DEBT LIABILITIES.

CLASSIFICATION OF DEBT.	Issued in 1931.	Paid in 1931.	Outstanding.
Atlantic Avenue Extension.....			\$178,900 00
Blue Hill and Other Avenues.....			1,839,000 00
Cambridge Bridge.....			1,352,900 00
Charles River Basin.....			800,000 00
Charlestown Bridge, No. 1.....			750,000 00
Charlestown Bridge, No. 2.....			665,000 00
Highways, Making of, No. 1.....			2,885,301 00
Highways, Making of, No. 2.....			1,645,000 00
Hyde Park Street Railway.....			322,000 00
Public Park.....			761,000 00
Public Park Special.....			736,500 00
Schoolhouses, No. 1.....			500,000 00
Schoolhouses, No. 2.....			7,325,800 00
Separate Systems of Drainage, No. 1.....			3,062,000 00
Separate Systems of Drainage, No. 2.....			919,000 00
Sewerage Loan, No. 1.....			4,966,000 00
Sewerage Loan, No. 2.....			600,000 00
Stony Brook Improvement.....			398,000 00
Thirty-Year, No. 1.....			492,000 00
Thirty-Year, No. 2.....			1,272,000 00
Rapid Transit:			
Rapid Transit.....			4,416,000 00
Arlington Station.....			1,238,000 00
Boston Tunnel and Subway.....			8,256,700 00
Boylston Street Subway.....			5,423,000 00
Boylston Street Subway, Acts of 1930.....			700,000 00
Cambridge Connection.....			1,648,000 00
Dorchester Tunnel.....			12,150,000 00
Dorchester Rapid Transit.....			10,660,000 00
East Boston Tunnel.....			3,334,000 00
East Boston Tunnel Alterations.....			3,900,000 00
East Boston Tunnel Alterations, Acts of 1924,			20,000 00
East Boston Tunnel Extension.....			2,500,000 00
Tremont Street Subway Alterations, Acts of 1924.....			65,000 00
Suffolk County Courthouse.....			900,000 00
Traffic Tunnel.....			4,050,000 00
Total, January 31, 1931.....			*\$90,731,101 00
* Total Sinking Fund Debt Liabilities.....			\$90,731,101 00
Serial Loan Debt (City of Boston).....			60,773,000 00
Serial Loan Debt (County of Suffolk).....			829,000 00
Serial Loan Debt (Hyde Park).....			163,000 00
Debt issued by the Commonwealth (chapter 534, 1906) for enlargement of Suffolk County Courthouse.....			159,999 96
Total Funded Debt.....			\$152,656,100 96

TOTAL RESOURCES.

NAME OF SINKING FUND.	Cash.	Investment.	Total Resources.
Atlantic Avenue Extension.....	\$2,498 75	\$177,000 00	\$179,498 75
Blue Hill and Other Avenues.....	34,462 09	1,565,600 00	1,600,062 09
Cambridge Bridge.....	7,933 91	968,200 00	976,133 91
Charles River Basin.....	8,642 67	501,000 00	509,642 67
Charlestown Bridge, No. 1.....	25,218 79	588,000 00	613,218 79
Charlestown Bridge, No. 2.....	22,282 96	633,000 00	655,282 96
Highways, Making of, No. 1.....	93,181 62	2,953,900 00	3,047,081 62
Highways, Making of, No. 2.....	44,712 83	1,678,000 00	1,722,712 83
Hyde Park Street Railway.....	14,944 02	50,000 00	64,944 02
Public Park.....	14,027 25	652,000 00	666,027 25
Public Park, Special.....	47,763 43	580,500 00	628,263 43
Schoolhouses, No. 1.....	23,335 56	381,000 00	404,335 56
Schoolhouses, No. 2.....	285,122 52	4,440,600 00	4,725,722 52
Separate Systems of Drainage, No. 1.....	25,646 20	2,477,000 00	2,502,646 20
Separate Systems of Drainage, No. 2.....	39,144 64	566,000 00	605,144 64
Sewerage Loan, No. 1.....	113,539 88	4,063,000 00	4,176,539 88
Sewerage Loan, No. 2.....	24,317 37	513,000 00	537,317 37
Stony Brook Improvement.....	10,315 34	286,000 00	296,315 34
Thirty-Year, No. 1.....	39,775 20	408,600 00	448,375 20
Thirty-Year, No. 2.....	22,541 55	1,017,000 00	1,039,541 55
Rapid Transit:			
Rapid Transit.....	30,062 60	3,540,000 00	3,570,062 60
Arlington Station.....	3,102 79	8,000 00	11,102 79
Boston Tunnel and Subway.....	101,040 40	3,790,450 00	3,891,490 40
Boylston Street Subway.....	51,626 28	118,000 00	169,626 28
Cambridge Connection.....	34,677 72	421,000 00	455,677 72
Dorchester Rapid Transit.....	44,904 59	.....	44,904 59
Dorchester Tunnel.....	105,899 67	642,000 00	747,899 67
East Boston Tunnel.....	40,633 57	2,032,000 00	2,072,633 57
East Boston Tunnel Alterations.....	27,234 41	65,000 00	92,234 41
East Boston Tunnel Extension.....	15,122 35	245,000 00	260,122 35
Suffolk County Courthouse.....	24,457 39	649,200 00	673,657 39
Moncys for Reduction of Debt.....	351,234 41	1,620,000 00	1,971,234 41
Total Resources, January 31, 1931.....	\$1,729,402 76	\$37,630,050 00	\$39,359,452 76

CASH ON DEPOSIT IN NATIONAL BANKS AND TRUST COMPANIES.

NATIONAL BANKS.		TRUST COMPANIES.	
Atlantic National Bank.....	\$923 00	Bank of Commerce and Trust Co.....	\$15,300 46
Boston-Continental National Bank.....	76,641 07	Banca Commerciale Italiana Trust Co.....	700 34
Federal National Bank.....	193,667 38	Boston Safe Deposit and Trust Co.....	809 89
First Nat. Bank.....	635 20	Charlestown Trust Co.....	24,981 34
Merchants Nat. Bank.....	1,871 31	Day Trust Co.....	51,029 78
Nat. Rockland Bank.....	2,478 56	Exchange Trust Co.....	1,637 76
Nat. Shawmut Bank.....	964,394 09	Industrial Bank and Trust Co.....	20,906 71
Second Nat. Bank.....	329 38	Jamaica Plain Trust Co.....	20,725 49
Webster and Atlas Nat. Bank,	640 08	New England Trust Co.....	936 56
		State Street Trust Co.....	13 78
		United States Trust Co.....	780 58
			\$1,379,402 76
		Certificates of Deposit:	
		National Rockland Bank. . .	175,000 00
		National Shawmut Bank. . .	75,000 00
		Exchange Trust Co.....	75,000 00
		New England Trust Co. . . .	25,000 00
		Total Deposits, Jan. 31, 1931.....	\$1,729,402 76

EDMUND L. DOLAN,
*Treasurer of the Board of Commissioners of
Sinking Funds of the City of Boston.*

SINKING FUND DEBT DUE IN FINANCIAL YEAR 1931.

CLASSIFICATION OF DEBT.	Due January 1, 1931.	Due in April, 1931.	Due in July, 1931.	Due in October, 1931.	Due January 1, 1932.	Totals.
Highways, Making of, No. 1.....		\$270,000 00	\$600,000 00	\$200,000 00	\$209,000 00	\$1,279,000 00
Highways, Making of, No. 2.....	\$150,000 00					150,000 00
Public Park.....	100,000 00				131,000 00	231,000 00
Schoolhouses, No. 2.....			1,221,000 00	100,000 00	54,800 00	1,375,800 00
Thirty Year, No. 1.....				18,000 00	42,000 00	60,000 00
	\$250,000 00	\$270,000 00	\$1,821,000 00	\$318,000 00	\$436,800 00	\$3,095,800 00
Debt paid.....	250,000 00					250,000 00
		\$270,000 00	\$1,821,000 00	\$318,000 00	\$436,800 00	\$2,845,800 00

AMOUNT OF ABOVE SINKING FUND DEBT, PAYABLE 1931, AND HELD BY BOARD OF COMMISSIONERS OF SINKING FUNDS AS INVESTMENTS.

NAME OF SINKING FUND.	Due January 1, 1931.	Due in April, 1931.	Due in July, 1931.	Due in October, 1931.	Due January 1, 1932.	Totals.
Atlantic Avenue Ex- tension.....			\$12,000 00	\$50,000 00		\$62,000 00
Blue Hill and Other Avenues.....		\$65,000 00	400,000 00		\$50,000 00	515,000 00
Highways, Making of, No. 1.....		20,000 00	329,000 00	150,000 00	340,000 00	839,000 00
Highways, Making of, No. 2.....	\$117,000 00	11,000 00				128,000 00
Public Park.....	25,000 00					25,000 00
Schoolhouses, No. 1.....		9,000 00				9,000 00
Schoolhouses, No. 2.....	75,000 00	10,000 00	451,000 00	100,000 00		636,000 00
Separate Systems of Drainage, No. 1.....			160,000 00			160,000 00
Sewerage Loan, No. 1...		75,000 00	90,000 00			165,000 00
Thirty Year, No. 1.....			54,000 00		42,000 00	96,000 00
Rapid Transit.....		70,000 00	185,000 00			255,000 00
Boston Tunnel and Sub- way.....			140,000 00			140,000 00
	\$217,000 00	\$260,000 00	\$1,821,000 00	\$300,000 00	\$432,000 00	\$3,030,000 00
Investments paid.....	217,000 00					217,000 00
		\$260,000 00	\$1,821,000 00	\$300,000 00	\$432,000 00	\$2,813,000 00

FUNDED SINKING FUND DEBT.

When Due, and Amount of City of Boston Bonds Held by the Sinking Funds as Investments.

DUE IN FINANCIAL YEAR.	Amount of City of Boston Debt Due.	Amount of City of Boston Debt Held by The Sinking Funds as Investments.
1931.....	\$2,409,000 00	\$2,381,000 00
1932.....	4,440,101 00	3,125,000 00
1933.....	1,525,000 00	552,000 00
1934.....	2,860,000 00	1,963,000 00
1935.....	5,378,000 00	1,499,000 00
1936.....	5,338,500 00	636,500 00
1937.....	4,700,000 00	2,148,600 00
1938.....	1,867,900 00	399,000 00
1939.....	1,711,000 00	—
1940.....	650,000 00	—
1941.....	250,000 00	250,000 00
1942.....	901,000 00	354,000 00
1943.....	1,800,000 00	666,000 00
1944.....	4,236,000 00	811,000 00
1945.....	4,269,700 00	586,000 00
1946.....	1,650,000 00	840,000 00
1947.....	1,629,000 00	971,450 00
1948.....	2,315,000 00	315,000 00
1949.....	655,900 00	—
1950.....	1,000,000 00	—
1952.....	5,000 00	—
1956.....	450,000 00	—
1957.....	3,400,000 00	37,000 00
1958.....	3,400,000 00	—
1959.....	2,500,000 00	—
1960.....	4,765,000 00	—
1961.....	1,775,000 00	—
1962.....	1,515,000 00	—
1963.....	500,000 00	—
1964.....	400,000 00	—
1965.....	87,000 00	50,000 00
1966.....	159,000 00	—
1967.....	1,565,000 00	—
1968.....	1,350,000 00	—
1969.....	1,255,000 00	—
1970.....	2,255,000 00	1,635,000 00
1971.....	3,995,000 00	—
1972.....	3,570,000 00	—
1973.....	2,207,000 00	1,050,000 00
1974.....	952,000 00	—
1975.....	990,000 00	—
1979-49.....	50,000 00	—
1980-50.....	4,000,000 00	—
Totals, January 31, 1931...	\$90,731,101 00	* \$20,269,550 00

* See page 17.

INVESTMENTS HELD BY THE SINKING FUNDS.

City of Boston Sinking Fund Bonds as per page 16:

5%	\$220,000 00
4%	5,367,900 00
3½%	12,188,650 00
3%	1,443,000 00
3¼%	1,050,000 00
	\$20,269,550 00

" " " Serial Bonds:

5%	\$409,000 00
4½%	962,000 00
4¼%	840,000 00
4%	2,614,500 00
3½%	150,000 00
	4,975,500 00

County of Suffolk Serial Bonds:

4½%	\$23,000 00
4%	5,000 00
3%	85,000 00
	113,000 00

Commonwealth of Massachusetts Bonds:

3½%	\$767,000 00
3%	75,000 00
	842,000 00

U. S. Government First Liberty Loan Bonds, 4¼%

360,000 00

" " " Fourth Liberty Loan Bonds, 4¼%

750,000 00

City of Akron, Ohio, Bonds, 5%

150,000 00

" " Atlanta, Ga., Bonds, 4½%

55,000 00

" " Baltimore, Md., Bonds, 4%

483,000 00

" " Chicago, Ill., Bonds, 4%

500,000 00

" " Cleveland, Ohio, Bonds:

4½%	\$300,000 00
4¼%	200,000 00
	500,000 00

239,000 00

" " Columbus, Ohio, Bonds, 4½%

50,000 00

" " Cranston, R. I., Bonds, 4¼%

50,000 00

" " Detroit, Mich., Bonds:

4½%	\$430,000 00
4%	20,000 00
	450,000 00

302,000 00

" " Dayton, Ohio, Bonds, 4½%

115,000 00

" " Elizabeth, N. J., Bonds, 4½%

100,000 00

" " Flint, Mich., Bonds, 4½%

100,000 00

" " Grand Rapids, Mich., Bonds:

4½%	\$115,000 00
4¼%	175,000 00
	290,000 00

290,000 00

" " Los Angeles, Cal., Bonds:

5%	\$30,000 00
4½%	220,600 00
	250,000 00

200,000 00

" " Milwaukee, Wis., Bonds, 4½%

200,000 00

" " Minneapolis, Minn., Bonds:

5%	\$60,000 00
4¼%	100,000 00
	160,000 00

360,000 00

" " Neward, N. J., Bonds, 4¼%

50,000 00

" " Norwalk, Ct., Bonds, 4%

140,000 00

" " Paterson, N. J., Bonds, 4½%

300,000 00

" " Pawtucket, R. I., Bonds, 4¼%

200,000 00

" " St. Louis, Mo., Bonds, 4%

200,000 00

" " St. Paul, Minn., Bonds, 4¼%

450,000 00

" " Philadelphia, Pa., Bonds, 4½%

200,000 00

" " Pittsburgh, Pa., Bonds, 4¼%

500,000 00

" " and County of San Francisco, Cal., Bonds, 4½%

75,000 00

" " of Schenectady, N. Y., Bonds, 4½%

75,000 00

" " Toledo, Ohio, Bonds:

4½%	\$95,000 00
4¼%	281,000 00
	376,000 00

376,000 00

Carried forward..... \$34,005,050 00

INVESTMENTS HELD BY THE SINKING FUNDS.— *Concluded.*

<i>Brought forward</i>		\$34,005,050 00	
City of Youngstown, Ohio, Bonds, 5%.....			155,000 00
State of Alabama Bonds:			
4 $\frac{3}{4}$ %.....	\$100,000 00		
4 $\frac{1}{4}$ %.....	280,000 00		
			380,000 00
“ “ Arkansas Bonds, 4 $\frac{3}{4}$ %.....			500,000 00
“ “ California Bonds:			
4 $\frac{1}{2}$ %.....	\$100,000 00		
4 $\frac{1}{4}$ %.....	100,000 00		
4%.....	100,000 00		
			300,000 00
“ “ Louisiana Bonds:			
5%.....	\$275,000 00		
4 $\frac{3}{4}$ %.....	25,000 00		
			300,000 00
“ “ Michigan Bonds, 4 $\frac{1}{4}$ %.....			500,000 00
“ “ Mississippi Bonds, 4 $\frac{1}{2}$ %.....			275,000 00
“ “ North Carolina Bonds:			
4 $\frac{1}{2}$ %.....	\$250,000 00		
4 $\frac{1}{4}$ %.....	100,000 00		
			350,000 00
“ “ North Dakota Bonds, 4 $\frac{1}{2}$ %.....			200,000 00
“ “ Minnesota Bonds, 4 $\frac{1}{4}$ %.....			400,000 00
“ “ Oregon Bonds:			
5 $\frac{1}{2}$ %.....	\$20,000 00		
4 $\frac{1}{2}$ %.....	45,000 00		
4 $\frac{1}{4}$ %.....	100,000 00		
			165,000 00
“ “ Tennessee Bonds, 4 $\frac{3}{4}$ %.....			100,000 00
Total investment January 31, 1931 (see page 13).....		\$37,630,050 00	



CITY COLLECTOR'S MONTHLY REPORT

FOR THE MONTH OF

JANUARY, 1931.

COLLECTING DEPARTMENT,
BOSTON, February 2, 1931.

To the Mayor and City Auditor of the City of Boston:

SIRS,— The undersigned, in compliance with chapter 13, section 6, of the Revised Ordinances of 1925, herewith presents a report for the month which ended January 31, 1931, of all moneys received by him, and the disposition thereof, and of the accounts upon which such moneys have been received.

Respectfully submitted,

WILLIAM M. McMORROW,
City Collector.

	Receipts in January, 1931.	Total Receipts for one month ended January 31, 1931.
REVENUE TO BE CREDITED TO APPROPRIATIONS:		
Bowdoin-Dorchester School Fund Income.....	\$95 63	\$95 63
Cemetery Trust Fund In- come.....	4,039 21	4,039 21
City Documents, 1930.....	4 50	4 50
Copenhagen Fund Income,	100 00	100 00
Statistics Department:		
<i>City Record:</i>		
1931.....	203 70	203 70
1930.....	1,861 41	1,861 41
Fitzgerald Firemen's Gold Medal Fund Income..	15 00	15 00
George F. Parkman Fund..	500 00	500 00
Gibson School Fund, In- come.....	975 63	975 63
Hospital Department:		
Income on Trust Funds,	790 12	790 12
George B. Hyde Bequest Income.....	40 00	40 00
Ellen C. Johnson Fountain Fund Income.....	37 50	37 50
Susan H. Leeds Fund In- come.....	257 53	257 53
Horace Mann School Fund Income.....	162 00	162 00
Library Department Trust Funds Income.....	6,321 21	6,321 21
Phillips Street Fund In- come.....	227 50	227 50
Police Charitable Fund In- come.....	521 75	521 75
<i>Carried forward.....</i>	\$16,152 69	\$16,152 69

	Receipts in January, 1931.	Total Receipts for one month ended January 31, 1931.
<i>Brought forward</i>	\$16,152 69	\$16,152 69
Printing Department:		
Printing:		
1931.....	43,058 37	43,058 37
1930.....	41,587 73	41,587 73
Postage:		
1931.....	2,927 93	2,927 93
1930.....	5,260 86	5,260 86
Stationery:		
1931.....	4,496 19	4,496 19
1930.....	2,796 61	2,796 61
Randidge Trust Fund In- come.....	675 00	675 00
Rapid Transit:		
Boylston Street Subway, Acts 1930:		
1931.....	75 24	75 24
1930.....	2,477 07	2,477 07
Dorchester Tunnel:		
1931.....	41 14	41 14
Traffic Tunnel:		
Rents, 1931.....	15,757 02	15,757 02
Dorchester Rapid Transit:		
Rents, 1930.....	116,126 41	116,126 41
Hyde Park Street Railway:		
Rents, Buildings.....	200 00	200 00
Sawyer Marcella Street Home Fund Income...	22 00	22 00
Teachers' Waterston Fund Income.....	72 00	72 00
<i>Carried forward</i>	\$251,726 26	\$251,726 26

	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
<i>Brought forward</i>	\$251,726	26	\$251,726	26
The Children's Fund In- come.....	1,552	50	1,552	50
Water Service:				
Water Rates:				
1931.....	12,229	29	12,229	29
1930.....	640,520	58	640,520	58
1929.....	6,187	92	6,187	92
1928.....	5,287	36	5,287	36
1927.....	653	42	653	42
1926.....	36	30	36	30
1925.....	131	74	131	74
1924.....	163	46	163	46
1923.....	82	72	82	72
Fees.....	468	33	468	33
Off and On.....	4	00	4	00
Miscellaneous:				
1931.....	5,327	53	5,327	53
1930.....	2,589	36	2,589	36
1929.....	11	44	11	44
George R. White Fund:				
Income:				
1931.....	30,601	56	30,601	56
1930.....	2,865	03	2,865	03
J. L. Whitney Bibliographic Account:				
Income.....	350	00	350	00
		\$960,788 80		\$960,788 80
<i>Carried forward</i>		\$960,788 80		\$960,788 80

	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
<i>Brought forward</i>		\$960,788 80		\$960,788 80
COUNTY OF SUFFOLK.				
House of Correction, Deer Island, M. & M.:				
1931	\$5,536 24		\$5,536 24	
1930	2,088 88		2,088 88	
		7,625 12		7,625 12
SINKING FUNDS.				
Canal Street Land:				
Rents:				
1930	\$416 74		\$416 74	
City Tax Deeds, 1930	148 89		148 89	
City Tax Deeds, 1929	457 10		457 10	
Cambridge Street and Court Street, 1928	2,309 51		2,309 51	
Interest on ditto	600 28		600 28	
Dock Square and Faneuil Hall Square Improve- ments, 1927	1,548 20		1,548 20	
Interest on ditto	743 14		743 14	
Kneeland Street:				
1929	8,685 65		8,685 65	
Interest on ditto	1,261 62		1,261 62	
Norfolk Street Widening:				
1921-22	65 96		65 96	
Interest on ditto	5 27		5 27	
Oakland and Ashland Streets:				
1930	217 47		217 47	
Interest on ditto	12 03		12 03	
<i>Carried forward</i>	\$16,471 86	\$968,413 92	\$16,471 86	\$968,413 92

	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
Brought forward.....	\$16,471 86	\$968,413 92	\$16,471 86	\$968,413 92
River Street Reconstruc- tion:				
1930.....	341 14		341 14	
Interest on ditto.....	10 66		10 66	
Stuart Street, 1924-25....	28,552 28		28,552 28	
Interest on ditto.....	9,888 38		9,888 38	
Tremont Street Improve- ment:				
1927.....	291 81		291 81	
Interest on ditto.....	140 07		140 07	
Construction of Streets:				
1931.....	534 90		534 90	
1930.....	6,329 04		6,329 04	
1929.....	1,712 99		1,712 99	
1928.....	618 89		618 89	
1927.....	338 36		338 36	
1926.....	543 57		543 57	
1925.....	232 04		232 04	
1924-25.....	342 39		342 39	
1923-24.....	279 77		279 77	
1922-23.....	172 04		172 04	
1921-22.....	337 98		337 98	
1920-21.....	209 99		209 99	
1915-16.....	36 60		36 60	
Interest on Construction of Streets.....	1,801 10		1,801 10	
Sewerage Works:				
1930.....	2,032 23		2,032 23	
Carried forward.....	\$71,218 09	\$968,413 92	\$71,218 09	\$968,413 92

COLLECTOR'S MONTHLY REPORT.

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	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
<i>Brought forward</i>	\$71,218 09	\$968,413 92	\$71,218 09	\$968,413 92
Sewerage Works:				
1929	414 60		414 60	
1928	367 19		367 19	
1927	487 31		487 31	
1926	90 05		90 05	
1925	358 19		358 19	
1924-25	74 00		74 00	
1923-24	90 46		90 46	
1922-23	33 90		33 90	
1921-22	25 46		25 46	
1920-21	24 03		24 03	
1918-19	60 00		60 00	
Interest on Sewerage Works	736 01		736 01	
Park Department:				
Rents:				
1931	508 33		508 33	
1930	20 83		20 83	
		74,508 45		74,508 45
SPECIAL FUNDS.				
Duplicate and Overpay- ments	\$1,582 69		\$1,582 69	
Cemetery Trust Fund	9,676 00		9,676 00	
Evergreen Cemetery	349 00		349 00	
Evergreen Cemetery Trust Fund	225 00		225 00	
Fairview Cemetery	1,069 00		1,069 00	
Fairview Cemetery Trust Fund	630 00		630 00	
<i>Carried forward</i>	\$13,531 69	\$1,042,922 37	\$13,531 69	\$1,042,922 37

	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
<i>Brought forward</i>	\$13,531 69	\$1,042,922 37	\$13,531 69	\$1,042,922 37
Mt. Hope Cemetery.....	3,280 50		3,280 50	
Mt. Hope Cemetery Trust Fund.....	1,065 00		1,065 00	
James L. Whitney Fund...	838 43		838 43	
		18,715 62		18,715 62
GENERAL REVENUE.				
Assessing Department....	\$2 00		\$2 00	
Building Department:				
1931.....	2,271 00		2,271 00	
Board of Examiners.....	491 00		491 00	
Boxing Fees, from State...	14,492 85		14,492 85	
City Clerk Department:				
Miscellaneous.....	1,869 80		1,869 80	
City Tax Deeds:				
1930.....	19,188 62		19,188 62	
1929.....	10,970 19		10,970 19	
1928.....	865 48		865 48	
Interest on ditto.....	1,996 60		1,996 60	
Collecting Department:				
Fees and Charges.....	3,636 29		3,636 29	
Fire Department:				
Miscellaneous:				
1931.....	332 93		332 93	
1930.....	27 35		27 35	
1929.....	207 90		207 90	
Wire Division, 1931.....	3,554 15		3,554 15	
Health Department:				
Sales, etc.:				
1931.....	551 16		551 16	
1927.....	10 00		10 00	
<i>Carried forward</i>	\$60,467 32	\$1,061,637 99	\$60,467 32	\$1,061,637 99

COLLECTOR'S MONTHLY REPORT.

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	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
<i>Brought forward</i>	\$60,467 32	\$1,061,637 99	\$60,467 32	\$1,061,637 99
Inspection of Milk and Vinegar.....	35 50		35 50	
Hospital Department:				
Contagious Cases:				
1930.....	1,410 19		1,410 19	
Telephone.....	46 40		46 40	
Birth Fees.....	76 25		76 25	
Bread Crumbs.....	6 40		6 40	
Bones.....	177 23		177 23	
Sanatorium Division:				
1931.....	223 61		223 61	
Institutions Department:				
Infirmery Division:				
Long Island Hospital:				
1931.....	152 09		152 09	
1930.....	238 29		238 29	
1927.....	227 74		227 74	
Interest on Miscellaneous Assessments.....	68 29		68 29	
Library Department:				
1931.....	2,377 02		2,377 02	
Licensing Board:				
1931.....	500 00		500 00	
1930.....	214 00		214 00	
Liquor Licenses:				
1931.....	4 00		4 00	
1930.....	1 00		1 00	
<i>Carried forward</i>	\$66,225 33	\$1,061,637 99	\$66,225 33	\$1,061,637 99

	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
<i>Brought forward</i>	\$66,225 33	\$1,061,637 99	\$66,225 33	\$1,061,637 99
Market Department.....	11 70		11 70	
Rents:				
1931.....	56 67		56 67	
1930.....	23,502 44		23,502 44	
Mayor.....	2,495 00		2,495 00	
Park Department:				
1931.....	410 58		410 58	
1930.....	9 00		9 00	
Rents:				
1930.....	660 84		660 84	
Gypsy and Brown-tail Moth Suppression:				
1930.....	256 00		256 00	
1929.....	5 00		5 00	
1928.....	2 00		2 00	
Bath Division, 1931.....	1,986 79		1,986 79	
Rents, 1931.....	133 33		133 33	
Pedlers.....	4,125 00		4,125 00	
Police Department.....	15,724 32		15,724 32	
Public Buildings Depart- ment:				
1931.....	100 49		100 49	
Rents:				
1931.....	254 00		254 00	
1930.....	63 75		63 75	
Registry Department.....	656 07		656 07	
Reserve Fund, 1931.....	38 80		38 80	
<i>Carried forward</i>	\$116,717 11	\$1,061,637 99	\$116,717 11	\$1,061,637 99

COLLECTOR'S MONTHLY REPORT.

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	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
<i>Brought forward</i>	\$116,717 11	\$1,061,637 99	\$116,717 11	\$1,061,637 99
Schools and Schoolhouses:				
School Instructors:				
Tuition:				
1931	448 47		448 47	
1930	13,924 87		13,924 87	
1929	57 98		57 98	
Deaf Mutes, 1930	14,132 90		14,132 90	
Refund of Salaries:				
1931	205 76		205 76	
1930	57 28		57 28	
Smith Fund	4 25		4 25	
Dog Licenses, 1931	135 00		135 00	
School Committee:				
Supplies and Incidentals:				
1931	4,017 95		4,017 95	
1930	5,881 10		5,881 10	
Extended Use of Schools,				
1931	918 55		918 55	
Street Laying-Out Depart- ment	5,496 25		5,496 25	
Public Works Department:				
Ferry Service:				
Tolls, etc.:				
1931	5,283 70		5,283 70	
1930	25 60		25 60	
<i>Carried forward</i>	\$167,306 77	\$1,061,637 99	\$167,306 77	\$1,061,637 99

	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
<i>Brought forward</i>	\$167,306 77	\$1,061,637 99	\$167,306 77	\$1,061,637 99
Ferry Service:				
Rents:				
1931	9 50		9 50	
Lighting Service:				
1930	48 00		48 00	
1929	12 00		12 00	
Paving Service:				
Assessments:				
1930	780 80		780 80	
1929	422 28		422 28	
1928	167 30		167 30	
1927	102 43		102 43	
1925	230 56		230 56	
Miscellaneous:				
1931	622 31		622 31	
1930	1,138 19		1,138 19	
Interest on Paving Service	167 88		167 88	
Sewer Service:				
Entrance fees	198 22		198 22	
Labor and Material:				
1931	182 88		182 88	
1930	21 38		21 38	
Refunds	1 50		1 50	
Sanitary Service:				
1931	4,816 95		4,816 95	
<i>Carried forward</i>	\$176,328 95	\$1,061,637 99	\$176,328 95	\$1,061,637 99

COLLECTOR'S MONTHLY REPORT.

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	Receipts in January 1931.		Total Receipts for one month ended January 31, 1931.	
<i>Brought forward</i>	\$176,328 95	\$1,061,637 99	\$176,328 95	\$1,061,637 99
Taxes:				
1930	1,129,665 66		1,129,665 66	
1929	34,577 00		34,577 00	
1928	6,604 20		6,604 20	
1927	6,155 97		6,155 97	
1920	21 69		21 69	
1919	21 24		21 24	
1918	19 08		19 08	
1917	15 93		15 93	
1912	8 20		8 20	
Interest on Taxes	23,847 73		23,847 73	
Motor Vehicle Excise Tax:				
1930	33,438 99		33,438 99	
1929	701 73		701 73	
Interest on ditto	442 92		442 92	
Traffic Department:				
1931	38 60		38 60	
1930	29 78		29 78	
Weights and Measures Department	1,116 57		1,116 57	
		1,412,934 24		1,412,934 24
COUNTY OF SUFFOLK.				
Fines, Fees and Costs	\$48,648 64		\$48,647 64	
House of Correction, Deer Island:				
Labor, Sale of Material, etc.:				
1931	64 54		64 54	
1930	52 74		52 74	
<i>Carried forward</i>	\$48,765 92	\$2,474,572 23	\$48,765 92	\$2,474,572 23

	Receipts in January, 1931.		Total Receipts for one month ended January 31, 1931.	
Brought forward.....	\$48,765 92	\$2,474,572 23	\$48,765 92	\$2,474,572 23
Interest on Inmates' Cash.....	433 06		433 06	
Pedlers.....				
Insanity cases, 1930.....	259 05	49,458 03	259 05	49,458 03
Total amount received and paid to City Treasurer...		\$2,524,030 26		\$2,524,030 26



AUDITOR'S MONTHLY EXHIBIT.

GENERAL AND SPECIAL APPROPRIATIONS

FOR

1931.

AUDITING DEPARTMENT,
CITY HALL, BOSTON, January 31, 1931.

To the Mayor, City Council and Heads of Departments:

SIRS,— The undersigned, in compliance with chapter 486, section 25, of the Acts of 1909, and chapter 6, section 7, Revised Ordinances of 1925, herewith presents an exhibit for the present financial year of 1931 as shown in the books in his office January 31, 1931, including the January 31 draft, being one month's draft, exhibiting the balances brought forward from 1930, the amounts drawn January 31, and the total expenditures; also a statement of the Debt, Sinking Funds and debt incurring power January 31, 1931.

The January 31 draft comprises special payments, pay rolls and bills paid in January.

The Appropriation Bill for the financial year 1931 not having been passed, payments are made under authority of chapter 320 of the Acts of 1889.

Respectfully submitted,

RUPERT S. CARVEN,
City Auditor.

CITY OF BOSTON

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.*
Art Department.				
Personal service.....				
Service other than personal.....				
Supplies.....				
Assessing Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Auditing Department.....				
Personal service.....				
Service other than personal.....				
Supplies.....				
Boston Port Authority.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Miscellaneous.....				
Boston Retirement Board.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Boston Traffic Commission.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Carried forward.....				

* The Appropriation Bill for the financial year 1931 not having been passed, payments are made under authority of chapter 320, Acts of 1889.

REGULAR APPROPRIATIONS.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
			\$27,445 16	\$27,445 16		
			24,364 89	24,364 89		
			2,747 27	2,747 27		
			102 00	102 00		
			231 00	231 00		
			6,175 88	6,175 88		
			5,719 23	5,719 23		
			13 20	13 20		
			443 45	443 45		
			911 67	911 67		
			794 68	794 68		
			25 81	25 81		
			15 00	15 00		
			76 18	76 18		
			2,061 69	2,061 69		
			1,550 05	1,550 05		
			318 50	318 50		
			185 00	185 00		
			8 14	8 14		
			9,459 07	9,459 07		
			9,408 77	9,408 77		
			8 82	8 82		
			10 09	10 09		
			31 39	31 39		
			\$46,053 47	\$46,053 47		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.
<i>Brought forward</i>				
Budget Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Building Department:				
Department expenses.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Board of Appeal.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Board of Examiners.....				
Personal service.....				
Service other than personal.....				
Supplies.....				
City Clerk Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
City Council.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Miscellaneous.....				
<i>Carried forward</i>				

Regular Appropriations.—Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
			\$46,053 47	\$46,053 47		
			895 83	895 83		
			895 83	895 83		
			19,713 78	19,713 78		
			19,561 95	19,561 95		
			116 69	116 69		
			35 14	35 14		
			502 28	502 28		
			428 33	428 33		
			73 95	73 95		
			289 83	289 83		
			288 33	288 33		
			1 50	1 50		
			4,232 75	4,232 75		
			4,085 91	4,085 91		
			10 00	10 00		
			3 50	3 50		
			83 34	83 34		
			50 00	50 00		
			6,312 54	6,312 54		
			5,924 44	5,924 44		
			41 40	41 40		
			48 70	48 70		
			298 00	298 00		
			\$78,000 48	\$78,000 48		

OBJECT OF APPROPRIATIONS,	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.
<i>Brought forward</i>				
City Council Proceedings.....				
Service other than personal.....				
City Debt Requirements:				
Sinking Funds.....				
Interest.....	\$24,572 22	\$200 00		
City Documents.....		4 50		
Service other than personal.....		4 50		
City Planning Board.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Miscellaneous.....				
Collecting Department:				
Department expenses.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Water Division.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Election Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Finance Commission.....	1,000 00			
Personal service.....				
Service other than personal.....				
Equipment.....				
<i>Carried forward</i>	\$25,572 22	\$204 50		

Regular Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balance Unexpended.	Loans authorized but not issued.
			\$78,000 48	\$78,000 48		
			437 50	437 50		
			437 50	437 50		
		\$24,772 22	333 33	333 33		
		4 50				
		4 50				
			1,962 76	1,962 76		
			1,382 43	1,382 43		
			59 90	59 90		
			18 77	18 77		
			501 66	501 66		
			10,279 53	10,279 53		
			10,155 68	10,155 68		
			86 35	86 35		
			37 50	37 50		
			6,809 94	6,809 94		
			4,703 91	4,703 91		
			19 05	19 05		
			2,011 98	2,011 98		
			75 00	75 00		
			9,964 28	9,964 28		
			9,964 28	9,964 28		
		1,000 00	3,251 27	3,251 27		
			2,806 52	2,806 52		
			425 00	425 00		
			10 00	10 00		
		\$25,776 72	\$111,039 09	\$111,039 09		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.
<i>Brought forward</i>	\$25,572 22	\$204 50	.....	.....
Finance Commission:				
Supplies.....				
Miscellaneous.....	1,000 00			
Fire Department:				
Department expenses.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Wire Division.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Health Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Miscellaneous.....				
Hospital Department:				
Department expenses.....		790 12		
Personal service.....		100 00		
Service other than personal.....				
Equipment.....				
Supplies.....		690 12		
Materials.....				
Special items.....				
Miscellaneous.....				
<i>Carried forward</i>	\$25,572 22	\$994 62	.....	.....

Regular Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
.....		\$25,776 72	\$111,039 09	\$111,039 09		
.....			9 75	9 75		
.....		1,000 00				
.....			327,090 26	327,090 26		
.....			289,519 87	289,519 87		
.....			320 53	320 53		
.....			4,412 39	4,412 39		
.....			2,987 16	2,987 16		
.....			849 39	849 39		
.....			29,000 92	29,000 92		
.....			7,714 88	7,714 88		
.....			7,714 88	7,714 88		
.....						
.....			60,425 21	60,425 21		
.....			59,745 70	59,745 70		
.....						
.....			536 50	536 50		
.....			143 01	143 01		
.....		790 12	164,470 21	164,470 21		
.....		100 00	123,232 72	123,232 72		
.....			1,956 42	1,956 42		
.....			6,850 90	6,850 90		
.....		690 12	31,465 94	31,465 94		
.....			355 86	355 86		
.....			608 37	608 37		
.....		\$26,566 84	\$670,739 65	\$670,739 65		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriation 1931.
<i>Brought forward</i>	\$25,572 22	\$994 62	.....	.....
Hospital Department:				
Sanatorium Division.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Miscellaneous.....				
Institutions Department:				
Central Office.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Miscellaneous.....				
Child Welfare Division.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Miscellaneous.....				
Rainsford Island, Care of.....				
Infirmery Division:				
Long Island Hospital.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Steamer "George A. Hibbard" and Launch "James J. Minot".....				
Personal service.....				
Service other than personal.....				
<i>Carried forward</i>	\$25,572 22	\$994 62	.....	.....

Regular Appropriations.— Continued.

Tranfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$26,566 84	\$670,739 65	\$670,739 65		
			25,666 04	25,666 04		
			22,641 05	22,641 05		
			93 63	93 63		
			137 87	137 87		
			2,328 20	2,328 20		
			33 32	33 32		
			431 97	431 97		
			3,742 12	3,742 12		
			3,742 12	3,742 12		
			4,777 61	4,777 61		
			2,784 56	2,784 56		
			437 27	437 27		
			1,463 18	1,463 18		
			9 27	9 27		
			83 33	83 33		
			100 00	100 00		
			33,100 77	33,100 77		
			23,278 63	23,278 63		
			25 20	25 20		
			1,139 92	1,139 92		
			8,302 84	8,302 84		
			306 30	306 30		
			47 88	47 88		
			2,003 75	2,003 75		
			1,743 75	1,743 75		
			260 00	260 00		
		\$26,566 84	\$740,129 94	\$740,129 94		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.
Brought forward.....	\$25,572 22	\$994 62	.....	.....
Institutions Department:				
Steamer "George A. Hibbard" and Launch "James J. Minot":				
Equipment.....				
Supplies.....				
Materials.....				
Law Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Library Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Licensing Board.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Market Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Mayor:				
Office Expenses.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Miscellaneous.....				
Carried forward.....	\$25,572 22	\$994 62	.....	.....

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.
<i>Brought forward</i>	\$25,572 22	\$994 62	.....	.....
Mayor:				
Municipal Advertising.....	1,835 49	.....	.....	.....
Public Celebrations.....				
Tercentenary Celebration.....	19,429 06	.....	.....	.....
Park Department:				
Department expenses.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Miscellaneous.....				
Cemetery Division.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Police Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Public Buildings Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
<i>Carried forward</i>	\$46,836 77	\$994 62	.....	.....

Regular Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$26,566 84	\$846,388 06	\$846,388 06		
		1,835 49	375 00	375 00		
			951 76	951 76		
		19,429 06	2,692 70	2,692 70		
			106,545 41	106,545 41		
			94,185 10	94,185 10		
			3,590 09	3,590 09		
			343 18	343 18		
			2,672 80	2,672 80		
			3,196 43	3,196 43		
			336 43	336 43		
			2,221 38	2,221 38		
			13,634 09	13,634 09		
			12,705 99	12,705 99		
			448 00	448 00		
			478 89	478 89		
			1 21	1 21		
			444,596 31	444,596 31		
			416,532 60	416,532 60		
			1,472 55	1,472 55		
			2,556 38	2,556 38		
			1,419 32	1,419 32		
			22,615 46	22,615 46		
			28,614 31	28,614 31		
			23,784 51	23,784 51		
			4,145 83	4,145 83		
			341 29	341 29		
			79 93	79 93		
			3 00	3 00		
			259 75	259 75		
		\$47,831 39	\$1,443,797 64	\$1,443,797 64		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
<i>Brought forward</i>	\$46,836 77	\$994 62	.....	.....
Public Welfare Department:				
Central Office.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Temporary Home.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Wayfarers' Lodge.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Public Works Department:				
Central Office.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Bridge Service.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Ferry Service.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
<i>Carried forward</i>	\$46,836 77	\$994 62	.....	.....

Regular Appropriations.—Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$47,831 39	\$1,443,797 64	\$1,443,797 64		
			517,405 32	517,405 32		
			9,935 79	9,935 79		
			94 55	94 55		
			90	90		
			2 00	2 00		
			507,372 08	507,372 08		
			460 50	460 50		
			460 50	460 50		
			500 75	500 75		
			500 75	500 75		
			6,613 01	6,613 01		
			6,613 01	6,613 01		
			33,168 86	33,168 86		
			30,964 86	30,964 86		
			146 59	146 59		
			158 69	158 69		
			139 19	139 19		
			1,372 79	1,372 79		
			386 74	386 74		
			33,628 86	33,628 86		
			31,271 40	31,271 40		
			1,356 77	1,356 77		
			273 51	273 51		
			61 08	61 08		
			666 10	666 10		
		\$47,831 39	\$2,035,574 94	\$2,035,574 94		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
<i>Brought forward</i>	\$46,836 77	\$994 62	.....	.....
Public Works Department:				
Lighting Service.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Paving Service.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Sanitary Service.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Sewer Service.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Water Service.*				
Registry Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Reserve Fund.....				
Schools. ¹				
<i>Carried forward</i>	\$46,836 77	\$994 62	.....	.....

* See pages 42 and 53.

¹ See page 22.

Regular Appropriations.—Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$47,831 39	\$2,035,574 94	\$2,035,574 94		
			381 98	381 98		
			381 98	381 98		
			104,178 89	104,178 89		
			100,402 41	100,402 41		
			462 80	462 80		
			523 55	523 55		
			1,044 75	1,044 75		
			348 29	348 29		
			1,397 09	1,397 09		
			195,871 30	195,871 30		
			152,383 42	152,383 42		
			38,197 16	38,197 16		
			1,108 00	1,108 00		
			1,893 00	1,893 00		
			500 45	500 45		
			1,789 27	1,789 27		
			40,344 76	40,344 76		
			35,122 49	35,122 49		
			1,930 67	1,930 67		
			288 59	288 59		
			2,076 30	2,076 30		
			705 92	705 92		
			220 79	220 79		
			5,707 54	5,707 54		
			3,690 44	3,690 44		
			2,017 10	2,017 10		
			45,339 62	45,339 62		
		\$47,831 39	\$2,427,399 03	\$2,427,399 03		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
Brought forward.....	\$46,836 77	\$994 62		
Sinking Funds Department.....				
Personal Service.....				
Supplies.....				
Soldiers' Relief Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Statistics Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
City Record, publication of.*				
Street Laying-Out Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Supply Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Treasury Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Weights and Measures Department.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
	\$46,836 77	\$994 62		

* See pages 36 and 54.

Regular Appropriations.— Concluded.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$47,831 39	\$2,427,399 03	\$2,427,399 03		
			224 00	224 00		
			224 00	224 00		
			34,358 86	34,358 86		
			5,648 57	5,648 57		
			371 29	371 29		
			28,339 00	28,339 00		
			1,215 59	1,215 59		
			1,215 59	1,215 59		
			10,307 53	10,307 53		
			10,121 87	10,121 87		
			175 10	175 10		
			10 56	10 56		
			2,851 17	2,851 17		
			2,851 17	2,851 17		
			4,591 77	4,591 77		
			4,391 77	4,391 77		
			200 00	200 00		
			3,090 65	3,090 65		
			3,090 65	3,096 65		
		\$47,831 39	\$2,484,038 60	\$2,484,038 60		

SCHOOL

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriation 1931.†
Schools:				
School Committee.....				
Extended use of public schools.....				
Pensions to teachers.....	\$134,928 77			
Physical education.....				
School physicians and nurses.....				
Americanization.....				
Vocational Guidance.....				
Department of School Buildings:				
Department expenses.....	84,877 65			
Land and buildings for schools *.....	2,907,461 44			
	\$3,127,267 86			

* In accordance with chapter 313, Acts of 1930, the School Committee has authorized the appropriation of \$3,820,000.00 in addition to the above balance, the same to be raised by taxation and loan issue in 1931.
† The Appropriation Bill for the financial year 1931 not having been passed, payments are made under authority of chapter 320, Acts of 1889.

APPROPRIATIONS.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
			\$1,028,096 28	\$1,028,096 28		
			517 83	517 83		
		\$134,928 77	10,485 55	10,485 55		
			9,371 04	9,371 04		
			17,518 68	17,518 68		
			373 78	373 78		
			4,941 44	4,941 44		
		84,877 65	12,807 88	12,807 88		
		2,907,461 44	253,329 31	253,329 31		
		\$3,127,267 86	\$1,337,441 79	\$1,337,441 79		

COUNTY OF SUFFOLK

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.*
Suffolk County Courthouse, Custodian.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
County Buildings.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Jail.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Supreme Judicial Court.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Superior Court, Civil Session, General Expenses..				
Personal service.....				
Service other than personal.....				
Equipment.....				
Carried forward.....				

* The Appropriation Bill for the financial year 1931 not having been passed, payments are made under authority of chapter 320, Acts of 1889.

REGULAR APPROPRIATIONS.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
			\$13,997 20	\$13,997 20		
			13,880 20	13,880 20		
			117 00	117 00		
			5,952 84	5,952 84		
			5,775 84	5,775 84		
			150 00	150 00		
			27 00	27 00		
			14,659 33	14,659 33		
			11,900 86	11,900 86		
			84 51	84 51		
			69 25	69 25		
			2,023 33	2,023 33		
			100 05	100 05		
			481 33	481 33		
			4,492 72	4,492 72		
			3,965 08	3,965 08		
			357 50	357 50		
			61 80	61 80		
			108 34	108 34		
			48,188 68	48,188 68		
			17,036 00	17,036 00		
			29,766 60	29,766 60		
			400 00	400 00		
			\$87,290 77	\$87,290 77		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
Brought forward.....				
Superior Court, Civil Session, General Expenses:				
Supplies.....				
Special items.....				
Superior Court, Civil Session, Clerk's Office.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Superior Court, Criminal Session.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Miscellaneous.....				
Probate Court.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Municipal Court, City of Boston.....				
Personal Service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Miscellaneous.....				
Municipal Court, Charlestown District.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Special items.....				
Carried forward.....				

Regular Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
			\$87,290 77	\$87,290 77		
			397 75	397 75		
			588 33	588 33		
			12,162 31	12,162 31		
			11,480 82	11,480 82		
			128 09	128 09		
			340 27	340 27		
			213 13	213 13		
			46,604 09	46,604 09		
			18,373 17	18,373 17		
			27,173 58	27,173 58		
			200 00	200 00		
			185 50	185 50		
			671 84	671 84		
			1,066 75	1,066 75		
			677 00	677 00		
			15 00	15 00		
			24 00	24 00		
			350 75	350 75		
			34,414 28	34,414 28		
			31,615 54	31,615 54		
			704 37	704 37		
			334 00	334 00		
			1,527 04	1,527 04		
			233 33	233 33		
			2,513 16	2,513 16		
			2,136 69	2,136 69		
			75 00	75 00		
			89 14	89 14		
			129 00	129 00		
			83 33	83 33		
			\$184,051 36	\$184,051 36		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
<i>Brought forward</i>				
East Boston District Court.				
Personal service.				
Service other than personal.				
Equipment.....				
Supplies.				
Miscellaneous.				
Municipal Court, South Boston District.				
Personal service.				
Service other than personal.				
Equipment.....				
Supplies.				
Miscellaneous.				
Municipal Court, Dorchester District.....				
Personal service.				
Service other than personal.				
Equipment.....				
Supplies.				
Miscellaneous.				
Municipal Court, Roxbury District.				
Personal service.				
Service other than personal.				
Equipment.....				
Supplies.				
Special items.....				
Miscellaneous.				
Municipal Court, West Roxbury District.				
Personal service.				
Service other than personal.				
Equipment.....				
Supplies.				
Special items.....				
Miscellaneous.				
Municipal Court, Brighton District.				
Personal service.				
Service other than personal.				
<i>Carried forward</i>				

Regular Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
			\$184,051 36	\$184,051 36		
			2,121 59	2,121 59		
			2,000 09	2,000 09		
			64 50	64 50		
			41 50	41 50		
			15 50	15 50		
			1,901 60	1,901 60		
			1,688 05	1,688 05		
			90 45	90 45		
			75 00	75 00		
			41 10	41 10		
			7 00	7 00		
			2,216 24	2,216 24		
			1,928 60	1,928 60		
			24 00	24 00		
			53 03	53 03		
			195 01	195 01		
			15 60	15 60		
			6,356 69	6,356 69		
			5,408 46	5,408 46		
			194 71	194 71		
			230 71	230 71		
			226 51	226 51		
			250 00	250 00		
			46 30	46 30		
			2,215 15	2,215 15		
			2,041 04	2,041 04		
			52 00	52 00		
			7 25	7 25		
			104 16	104 16		
			10 70	10 70		
			1,292 57	1,292 57		
			1,228 17	1,228 17		
			36 50	36 50		
			\$200,155 20	\$200,155 20		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
<i>Brought forward</i>				
Municipal Court, Brighton District:				
Equipment.....				
Supplies.				
Special items.....				
Miscellaneous.....				
Boston Juvenile Court.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Miscellaneous.....				
District Court of Chelsea.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Miscellaneous.....				
Registry of Deeds.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Index Commissioners.....				
Personal service.....				
Service other than personal.....				
Supplies.....				
Insanity Cases.....				
Service other than personal.....				
Supplies.....				
Land Court.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
<i>Carried forward</i>				

Regular Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
			\$200,155 20	\$200,155 20		-
			10 00	10 00		
			11 65	11 65		
			6 25	6 25		
			1,968 95	1,968 95		
			1,847 19	1,847 19		
			58 11	58 11		
			35 00	35 00		
			28 65	28 65		
			3,048 73	3,048 73		
			2,260 36	2,260 36		
			317 39	317 39		
			206 98	206 98		
			260 00	260 00		
			4 00	4 00		
			13,902 28	13,902 28		
			13,457 10	13,457 10		
			118 30	118 30		
			22 00	22 00		
			304 88	304 88		
			1,976 30	1,976 30		
			1,976 30	1,976 30		
			1,641 70	1,641 70		
			1,641 70	1,641 70		
			59 10	59 10		
			59 10	59 10		
			\$222,752 26	\$222,752 26		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.
<i>Brought forward</i>				
Medical Examinations:				
Medical Examiner Service, Northern Division,				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Medical Examiner Service, Southern Division,				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Associate Medical Examiner Service, Northern Division.....				
Personal service.....				
Service other than personal.....				
Supplies.....				
Associate Medical Examiner Service, Southern Division.....				
Personal service.....				
Service other than personal.....				
Supplies.....				
Miscellaneous Expenses:				
Auditing Department.....				
Personal service.....				
Supplies.....				
Budget Department.....				
Personal service.....				
Service other than personal.....				
Supplies.....				
Collecting Department.....				
Personal service.....				
Sheriff.....				
Personal service.....				
Service other than personal.....				
Treasury Department.....				
Personal service.....				
Supplies.....				
<i>Carried forward</i>				

Regular Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
			\$222,752 26	\$222,752 26		
			1,584 75	1,584 75		
			1,584 75	1,584 75		
			1,070 19	1,070 19		
			1,012 50	1,012 50		
			41	41		
			57 28	57 28		
			405 47	405 47		
			105 47	105 47		
			300 00	300 00		
			89 43	89 43		
			83 33	83 33		
			6 10	6 10		
			73 00	73 00		
			73 00	73 00		
			116 66	116 66		
			116 66	116 66		
			450 00	450 00		
			250 00	250 00		
			200 00	200 00		
			459 86	459 86		
			459 86	459 86		
			\$227,001 62	\$227,001 62		

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
<i>Brought forward</i>				
County Debt Requirements:				
Sinking Funds.....				
Serial Loans.....	\$39 00			
Interest.....	322 22			
Penal Institutions Department:				
Office Expenses.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
House of Correction.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Steamer "Michael J. Perkins".....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
Special items.....				
Granite Avenue Bridge.....				
Personal service.....				
Service other than personal.....				
Equipment.....				
Supplies.....				
Materials.....				
	\$361 22			

Regular Appropriations.— Concluded.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
			\$227,001 62	\$227,001 62		
		\$39 00				
		322 22				
			2,836 47	2,836 47		
			2,836 47	2,836 47		
			22,244 23	22,244 23		
			13,687 90	13,687 90		
			270 00	270 00		
			484 23	484 23		
			3,223 03	3,223 03		
			1,546 59	1,546 59		
			3,032 48	3,032 48		
			6,219 82	6,219 82		
			3,201 19	3,201 19		
			333 33	333 33		
			57 23	57 23		
			2,575 28	2,575 28		
			52 79	52 79		
			212 59	212 59		
			212 59	212 59		
		\$361 22	\$258,514 73	\$258,514 73		

LOAN, REVENUE AND

OBJECT OF APPROPRIATIONS.	Balances. from. 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
City Loans, Redemption of.	\$16,359 02			
Payments to date:				
Redemption of city debt proper,				
Redemption of Hyde Park town debt.				
Redemption of Rapid Transit debt.				
Redemption of Hyde Park water debt.				
Assessing Department:				
Valuation survey.	16,167 67			
Boston Retirement Board:				
Pension Accumulation Fund.				
Boston Traffic Commission:				
Automatic Traffic Control Signals in Suburban Sections.	49,293 09			
Automatic Traffic Signal System.	45,105 24			
Automatic Traffic Signal System on Common- wealth Avenue from Arlington Street to Governor Square.				
Automatic Traffic Signal System on Massa- chusetts Avenue from Tremont Street to Harvard Bridge.	50,000 00			
City Record, Publication of *.	8,726 72	\$2,065 11		
Damages by Dogs, etc.		65 00		
Fire Department:				
Fire Station, Brighton.	1,828 98			
New Fire Boat.	95,135 59			
Hospital Department:				
Administration Building.	104,498 21			
Children's Pavilion.	299,823 85			
Hospital Buildings, Plans, etc.	75,619 25			
Laundry Building.				
Medical Pavilion.	6,254 68			
New Administration Building, Furnishing and Equipping.	40,000 00			
Carried forward.	\$808,812 30	\$2,130 11		

* See page 54.

SPECIAL APPROPRIATIONS.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$16,359 02			\$16,359 02	
		16,167 67			16,167 67	
		49,293 09	\$4,746 93	\$4,746 93	44,546 16	\$50,000 00
		45,105 24			45,105 24	
						125,000 00
		50,000 00			50,000 00	75,000 00
		10,791 83	460 81	460 81	10,331 02	
		65 00	65 00	65 00		
		1,828 98			1,828 98	9,000 00
		95,135 59			95,135 59	210,000 00
		104,498 21	24,202 15	24,202 15	80,296 06	90,000 00
		299,823 85			299,823 85	272,000 00
		75,619 25	13,107 28	13,107 28	62,511 97	65,000 00
						174,000 00
		6,254 68			6,254 68	80,000 00
		40,000 00			40,000 00	
		\$810,942 41	\$42,582 17	\$42,582 17	\$768,360 24	\$1,150,000 00

Loan, Revenue and Special

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.
<i>Brought forward</i>	\$808,812 30	\$2,130 11	.....	.....
Hospital Department:				
New Medical Pavilion, Furnishing and Equip- ping.....	8,320 35	.....	.....	.....
New Surgical Building.....	9,213 79	.....	.....	.....
Power Plant, Improvements, etc.....	2,751 81	.....	.....	.....
Remodeling Old Ward N Building.....	.....	.....	.....	.....
South Department, Buildings, Remodeling, etc.....	30,520 30	.....	.....	.....
Surgical Building, Furnishing and Equipping...	2,110 58	.....	.....	.....
Hospital Department, Sanatorium Division:				
New Buildings and Additions and Equipment and Furniture.....	90,255 36	.....	.....	.....
Institutions:				
For House of Correction, <i>see</i> County of Suffolk.				
Long Island, New Buildings and Additions and Equipment and Furniture.....	839 45	.....	.....	.....
Power Plant, Long Island Hospital, Alterations and Improvements.....	49,989 91	.....	.....	.....
Library Department:				
Branch Libraries, Establishment of.....	108,429 35	.....	.....	.....
Central Library Building, Fireproofing, Im- provements, etc.....	26,786 15	.....	.....	.....
Central Library Building, Foundation Im- provements, etc.....	534 92	.....	.....	.....
Park Department:				
Airport, Improvements.....	142,922 97	.....	.....	.....
Almont Street Playground, Field House, Im- provement of Grounds, etc.....	4,902 80	.....	.....	.....
Amerena Park and Paris Street Playground, East Boston, Playground and Locker Build- ings.....	329 66	.....	.....	.....
Animals, Birds, etc.....	1,231 16	.....	.....	.....
Aquarium, Improvements, etc.....	3,832 38	.....	.....	.....
Arnold Arboretum, Improvements.....	4,503 26	.....	.....	.....
Barry Playground, Improvements, etc.....	9,176 37	.....	.....	.....
Boston Common and Public Garden, Improve- ments.....	10,349 79	.....	.....	.....
Carolina Avenue Playground.....	1,984 47	.....	.....	.....
Christopher J. Lee Playground.....	815 23	.....	.....	.....
Columbus Park and Strandway, Improve- ments, etc.....	301,868 21	.....	.....	.....
<i>Carried forward</i>	\$1,620,480 57	\$2,130 11	.....	.....

Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
.....		\$810,942 41	\$42,582 17	\$42,582 17	\$763,360 24	\$1,150,000 00
.....		8,320 35	6,387 99	6,387 99	1,932 36	
.....		9,213 79	.....	.....	9,213 79	
.....		2,751 81	.....	.....	2,751 81	
.....						30,000 00
.....		30,520 30	31,545 63	31,545 63	(\$1,025.33 to be provided for)	20,000 00
.....		2,110 58	.....	.....	2,110 58	
.....		90,255 36	12,650 83	12,650 83	77,604 53	150,000 00
.....		839 45	.....	.....	839 45	
.....		49,989 91	.....	.....	49,989 91	
.....		108,429 35	32,358 65	32,358 65	76,070 70	60,000 00
.....		26,786 15	1,874 05	1,874 05	24,912 10	
.....		534 92	.....	.....	534 92	
.....		142,922 97	37,020 98	37,020 98	105,901 99	
.....		4,902 80	.....	.....	4,902 80	
.....		329 66	.....	.....	329 66	20,000 00
.....		1,231 16	690 00	690 00	541 16	
.....		3,832 38	.....	.....	3,832 38	
.....		4,503 26	.....	.....	4,503 26	
.....		9,176 37	.....	.....	9,176 37	
.....		10,349 79	3,115 88	3,115 88	7,233 91	
.....		1,984 47	.....	.....	1,984 47	
.....		815 23	.....	.....	815 23	
.....		301,868 21	50,292 82	50,292 82	251,575 39	210,000 00
.....		\$1,622,610 68	\$218,519 00	\$218,519 00	\$1,405,117 01	\$1,640,000 00

Loan, Revenue and Special

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
<i>Brought forward</i>	\$1,620,480 57	\$2,130 11	.....	.....
Park Department:				
Fallon Field Playground, Additional Land and Construction.....	.....	.....	.....	.....
Fens, Improvements	63,535 47	.....	.....	.....
Francis Parkman Playground, Improvements, etc.....	5,105 48	.....	.....	.....
Franklin Park, Improvements.....	98,436 05	.....	.....	.....
Granolithic Walks, Columbia Station to the Fens.....	2,987 69	.....	.....	.....
Highland Park Improvements, etc.....	6,530 14	.....	.....	.....
Jefferson School Playground, Locker Building, Grading, etc.....	8,223 28	.....	.....	.....
Longwood Park, Improvements, Roxbury.....	636 65	.....	.....	.....
Madison Park, Improvements.....	167 20	.....	.....	.....
Marine Park, Improvements, etc.....	8,158 07	.....	.....	.....
Maverick Square Improvements, East Boston, ...	1,981 45	.....	.....	.....
Muddy River and Leverett Pond, Improve- ments.....	14,953 24	.....	.....	.....
North End Park, Bath House and Laundry Building and Equipment, etc.....	384 51	.....	.....	.....
Orient Heights Playground, Improvements....	507 26	.....	.....	.....
Playground, Brookside Avenue and Cornwall Street.....	748 75	.....	.....	.....
Playground, Clarendon Hills-Metropolitan Hill Section of Roslindale, Land and Construc- tion.....	30,000 00	.....	.....	.....
Playground Columbia Road and Ceylon Street, ...	866 00	.....	.....	.....
Playground, Eagle Hill District, East Boston..	1,550 34	.....	.....	.....
Playground, Faneuil District, Brighton.....	74,881 20	.....	.....	.....
Playground, Fourth Section, East Boston, Land and Construction.....	14,800 00	.....	.....	.....
Playground, Junction of Winthrop, Fairland and Moreland Streets, Land and Construc- tion.....	46,055 05	.....	.....	.....
Playground, Mattapan.....	247 41	.....	.....	.....
Playground, North End District, Vicinity of Foster Place and Foster Court.....	7,465 35	.....	.....	.....
Playground, Rugby Section of Hyde Park, Land and Construction.....	30,000 00	.....	.....	.....
Playground, Saratoga and Bennington Streets, ...	755 86	.....	.....	.....
Playground, Vicinity of Dunbar Avenue	29,650 65	.....	.....	.....
<i>Carried forward</i>	\$2,069,107 67	\$2,130 11	.....	.....

Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$1,622,610 68	\$218,519 00	\$218,519 00	\$1,405,117 01	\$1,640,000 00
						90,000 00
		63,535 47	4,142 35	4,142 35	59,393 12	
		5,105 48	29 64	29 64	5,075 84	
		98,436 05	28,974 23	28,974 23	69,461 82	
		2,987 69	1,704 31	1,704 31	1,283 38	
		6,530 14			6,530 14	
		8,223 28	140 00	140 00	8,083 28	
		636 65			636 65	
		167 20			167 20	
		8,158 07	170 00	170 00	7,988 07	
		1,981 45			1,981 45	
		14,953 24			14,953 24	
		384 51			384 51	125,000 00
		507 26	314 01	314 01	193 25	
		748 75			748 75	
		30,000 00			30,000 00	
		866 00			866 00	
		1,550 34			1,550 34	
		74,881 20	650 00	650 00	74,231 20	
		14,800 00	50 00	50 00	14,750 00	
		46,055 05	70 00	70 00	45,985 05	
		247 41			247 41	
		7,465 35	133 00	133 00	7,332 35	
		30,000 00			30,000 00	
		755 86			755 86	
		29,650 65	61 59	61 59	29,589 06	
		\$2,071,237 78	\$254,958 13	\$254,958 13	\$1,817,304 98	\$1,855,000 00

Loan, Revenue and Special

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
<i>Brought forward</i>	\$2,069,107 67	\$2,130 11	.....	.....
Park Department:				
Playground Purposes:				
Billings Field.....	1,378 92	.....	.....	.....
Prescott Square, Improvements.....	586 42	.....	.....	.....
Property, East Cottage, Pleasant and Pond Streets.....	1,251 47	.....	.....	.....
Public Golf Course.....	147,904 98	.....	.....	.....
Readville Playground, Improvements, etc.....	1,640 18	.....	.....	.....
Reconstructing and Repairing Parkways and Roadways by Contract.....	1,631 89	.....	.....	.....
Riverway, Improvements.....	1,067 81	.....	.....	.....
Rogers Park, Additional Land and Improve- ments.....	25,000 00	.....	.....	.....
Tenean Beach, Purchase and Improvement of Beach Land.....	2,838 44	.....	.....	.....
Tercentenary Memorial, Gateway, etc.....	3,133 75	.....	.....	.....
Thomas Park, Improvements, South Bos'ton...	967 90	.....	.....	.....
Washington Park, Improvements, Roxbury....	254 68	.....	.....	.....
Webster Avenue Playground, Improvements..	34,431 42	.....	.....	.....
William J. Barry Playground, Enlargement and Improvement.....	610 78	.....	.....	.....
William E. Carter Playground, Bleachers, etc.,	397 39	.....	.....	.....
William H. Garvey Playground, Improvements,	4,557 78	.....	.....	.....
Park Department, Cemetery Division:				
Mount Hope Cemetery, Extension and De- velopment of.....	665 77	.....	.....	.....
Police Department:				
New Police Boat.....	38,628 04	.....	.....	.....
Printing Department*.....	330,428 57	100,127 69	.....	.....
Public Buildings Department:				
Courthouse, Brighton.....	64,813 43	.....	.....	.....
East Boston Courthouse and Police Station 7, Alterations and New Buildings.....	126,918 16	.....	.....	.....
Police Headquarters.....	1,702 74	.....	.....	.....
Police Station 2 Building.....	8,195 92	.....	.....	.....
Public Works Department:				
Bridges, Repairs, etc.....	39,668 51	.....	.....	.....
Cambridge Street Bridge, Rebuilding.....	6,886 17	.....	.....	.....
<i>Carried forward</i>	\$2,914,668 79	\$102,257 80	.....	.....

* See page 54.

Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$2,071,237 78	\$254,958 13	\$254,958 13	\$1,817,304 98	\$1,855,000 00
		1,378 92			1,378 92	
		586 42			586 42	
		1,251 47			1,251 47	
		147,904 98	145,656 89	145,656 89	2,248 09	65,000 00
		1,640 18			1,640 18	
		1,631 89	536 85	536 85	1,095 04	
		1,067 81			1,067 81	
		25,000 00			25,000 00	
		2,838 44			2,838 44	
		3,133 75			3,133 75	
		967 90	125 00	125 00	842 90	
		254 68			254 68	
		34,431 42			34,431 42	
		610 78			610 78	
		397 39			397 39	
		4,557 78	222 75	222 75	4,335 03	
		665 77			665 77	
		38,628 04	12,967 54	12,967 54	25,660 50	
		430,556 26	29,462 86	29,462 86	401,093 40	
		64,813 43	14,296 61	14,296 61	50,516 82	60,000 00
		126,918 16	32,601 74	32,601 74	94,316 42	55,000 00
		1,702 74			1,702 74	
		8,195 92			8,195 92	
		39,668 51	6,055 91	6,055 91	33,612 60	
		6,886 17			6,886 17	
		\$3,016,926 59	\$496,884 28	\$496,884 28	\$2,521,067 64	\$2,035,000 00

Loan, Revenue and Special

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.
<i>Brought forward</i>	\$2,914,668 79	\$102,257 80	.....	.....
Public Works Department:				
Congress Street Bridge.....	53,607 67	.....	.....	.....
East Boston Ferry, two additional boats and other permanent improvements.....	54,078 43	.....	.....	.....
Ferry Improvements, etc.....	1,795 76	.....	.....	.....
New Ferry Boat.....	122,770 89	.....	.....	.....
Garage, Hancock Street Yard.....	355 52	.....	.....	.....
Granolithic Sidewalks.....	30,072 09	.....	.....	.....
Reconstruction of Streets.....	221,748 97	.....	.....	.....
Reconstructing and Repairing Streets by Con- tract.....	14,866 56	.....	.....	.....
Street Signs.....	9,796 46	.....	.....	.....
East Boston Pumping Station and Outlet.....	4,456 36	.....	.....	.....
Savin Hill Bay, Sewerage Works, etc.....	71,233 63	.....	.....	.....
Sewerage Works.....	247,381 31	.....	.....	.....
Extension of Water Mains.....	2,680 35	.....	.....	.....
High Pressure Fire System Extension.....	382 00	.....	.....	.....
Water Service *.....	514,999 00	673,693 45	.....	.....
Rapid Transit:				
Rapid Transit Interest and Sinking Fund.....	315,562 31	116,971 46	.....	.....
Arlington Station.....	2,877 25	3 58	.....	.....
Boston Tunnel and Subway.....	62,240 36	79 24	.....	.....
Boylston Street Subway.....	2,286 97	.....	.....	.....
Boylston Street Subway (Chapter 394 Acts 1930).....	50,440 72	2,552 31	.....	.....
Cambridge Connection.....	2,471 52	2 96	.....	.....
Dorchester Rapid Transit.....	6,279 55	1 44	.....	.....
Dorchester Tunnel.....	3,951 43	51 50	.....	.....
East Boston Tunnel Alterations.....	85,611 63	146 71	.....	.....
East Boston Tunnel Alterations, Acts of 1924,	6,633 95	6 68	.....	.....
East Boston Tunnel Extension.....	12,323 16	16 13	.....	.....
Hyde Park Street Railway.....	542 48	.....	.....	.....
Tremont Street Subway, Alterations, Acts of 1924.....	8,176 91	.....	.....	.....
<i>Carried forward</i>	\$4,824,292 03	\$895,783 26	.....	.....

* See page 55.

Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$3,016,926 59	\$496,884 28	\$496,884 28	\$2,521,067 64	\$2,035,000 00
		53,607 67	465 53	465 53	53,142 14	
		54,078 43			54,078 43	
		1,795 76			1,795 76	
		122,770 89	69,476 88	69,476 88	53,294 01	
		355 52			355 52	
		30,072 09	1,793 62	1,793 62	28,278 47	
		221,748 97	83,238 48	83,238 48	138,510 49	800,000 00
		14,866 56	11,854 55	11,854 55	3,012 01	
		9,796 46	6,244 67	6,244 67	3,551 79	
		4,456 36			4,456 36	350,000 00
		71,233 63	4,734 81	4,734 81	66,498 82	140,000 00
		247,381 31	116,364 24	116,364 24	131,017 07	300,000 00
		2,680 35			2,680 35	
		382 00			382 00	
		1,188,692 45	90,001 02	90,001 02	1,098,691 43	
		432,533 77	1,123 75	1,123 75	431,410 02	
		2,880 83			2,880 83	
		62,319 60			62,319 60	
		2,286 97			2,286 97	
		52,993 03	162,733 19	162,733 19	(\$109,740.16 to be provided for)	
		2,474 48	161 65	161 65		
		6,280 99	7,928 19	7,928 19	(\$1,647.20 to be provided for.)	
		4,002 93	659 58	659 58		
		85,758 34			85,758 34	
		6,640 63	38 50	38 50	6,602 13	
		12,339 29			12,339 29	
		542 48			542 48	
		8,176 91			8,176 91	
		\$5,720,075 29	\$1,053,702 94	\$1,053,702 94	\$4,778,785 04	\$3,625,000 00

Loan, Revenue and Special

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations, 1931.
<i>Brought forward</i>	\$4,824,292 03	\$895,783 26	.....	.....
Sewerage Charges, Repayment of.....	201 59	.....	.....	.....
Sidewalk Assessments, Repayment of.....	1,867 06	.....	.....	.....
Street Laying-Out Department:				
Highways, Making of.....	238,328 51	.....	.....	.....
Payments to date:				
Street Construction..... \$10,762 80	.....	.....	.....	.....
Street Commissioners..... 11,995 17	.....	.....	.....	.....
Land damages..... 2,397 95	.....	.....	.....	.....
Highways, Making of (Chap. 661, Acts 1912):				
Hyde Park Avenue, Widening.....	100 00	.....	.....	.....
Norfolk Street, Dorchester, Widening.....	1,054 47	.....	.....	.....
Cambridge Street and Court Street.....	34,210 55	.....	.....	.....
Centre Street.....	196,630 16	.....	.....	.....
Charles Street Widening, etc.....	428,742 80	.....	.....	.....
Dock Square and Faneuil Hall Square, Im- provement.....	15,014 58	.....	.....	.....
Hyde Park Avenue, from Ashland street to Hyde Park line.....	341 75	.....	.....	.....
Kneeland Street, Improvement.....	8,852 45	.....	.....	.....
Lowell Street, Nashua Street and Causeway Street.....	125,374 73	.....	.....	.....
Morton Street, Improvement.....	84,644 78	.....	.....	.....
North Beacon Street, Brighton.....	14,298 99	.....	.....	.....
Norfolk Street, Widening.....	227 60	.....	.....	.....
Oakland and Ashland Streets, Improvement...	12,213 22	.....	.....	.....
River Street, Reconstruction.....	9,742 64	.....	.....	.....
St. Ann Street.....	46,141 21	.....	.....	.....
Street Widenings and Extensions, Acts of 1929,	65,258 84	.....	.....	.....
Summer and L Streets, Widening and Con- struction of.....	88,517 96	.....	.....	.....
Tremont Street, Improvement.....	26,335 20	.....	.....	.....
Temporary Loan.....				
Traffic Tunnel.....	1,831,418 22	15,877 10	.....	.....
<i>Carried forward</i>	\$8,053,809 34	\$911,660 36	.....	.....

Appropriations.— Continued.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
		\$5,720,075 29	\$1,053,702 94	\$1,053,702 94	\$4,778,785 04	\$3,625,000 00
		201 59			201 59	
		1,867 06			1,867 06	
		238,328 51		25,155 92	213,172 59	2,500,000 00
			10,762 80			
			11,995 17			
			2,397 95			
		100 00			100 00	
		1,054 47			1,054 47	
		34,210 55			34,210 55	
		196,630 16			196,630 16	1,100,000 00
		428,742 80	5,832 51	5,832 51	422,910 29	355,000 00
		15,014 58			15,014 58	
		341 75			341 75	
		8,852 45			8,852 45	
		125,374 73			125,374 73	
		84,644 78	11,681 84	11,681 84	72,962 94	
		14,298 99			14,298 99	
		227 60			227 60	
		12,213 22	451 00	451 00	11,762 22	80,000 00
		9,742 64	6,225 00	6,225 00	3,517 64	20,000 00
		46,141 21			46,141 21	
		65,258 84			65,258 84	
		88,517 96	54,899 76	54,899 76	33,618 20	700,000 00
		26,335 20			26,335 20	
		1,847,295 32	247,696 65	247,696 65	1,599,598 67	200,000 00
		\$8,965,469 70	\$1,405,645 62	\$1,405,645 62	\$7,672,236 77	\$8,580,000 00

Loan, Revenue and Special

OBJECT OF APPROPRIATIONS.	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.
Brought forward.....	\$8,053,809 34	\$911,660 36	.....	.....
County of Suffolk:				
Suffolk County Jail, Hospital.....	2,152 32	.....	.....	.....
Jail Improvements.....	82,973 49	.....	.....	.....
Social Law Library.....	-			
Penal Institutions Department:				
House of Correction:				
Machinery and Materials for Manufactur- ing.....	27,171 09	7,625 12	.....	.....
New Buildings.....	22,285 56	.....	.....	.....
Reconstruction and Alteration of Build- ings, etc.....	13,567 94	.....	.....	.....
	\$8,201,959 74	\$919,285 48	.....	.....
Less to be provided for.....				

Appropriations.— Concluded.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
.....		\$8,965,469 70	\$1,405,645 62	\$1,405,645 62	\$7,672,236 77	\$8,580,000 00
.....		2,152 32	.....	.....	2,152 32	
.....		82,973 49	24,806 58	24,806 58	58,166 91	35,000 00
.....		34,796 21	403 08	403 08	34,393 13	
.....		22,285 56	.....	.....	22,285 56	
.....		13,567 94	.....	.....	13,567 94	
.....		\$9,121,245 22	\$1,430,855 28	\$1,430,855 28	\$7,802,802 63	\$8,615,000 00
.....					112,412 69	
.....					\$7,690,389 94	

TRUST FUNDS, ETC.

	Balances from 1930.	Revenue received during 1931.
Boston Retirement Board:		
Pension Accumulation Fund, Payments.		\$58,006 41
Retirement Reserve Fund, Payments.		6,995 35
Boston Sanatorium:		
Susan H. Leeds Bequest, Income.	\$2,609 87	257 53
Cemetery Trust Funds, Income.		4,068 35
Copenhagen Fund, Income.	3,978 32	100 00
Fitzgerald Firemen's Gold Medal Fund, Income.	260 75	15 00
Foss Flag Fund, Income.	259 60	
Franklin Fund.	571 17	105 00
Franklin Union.	93 12	11,204 39
George B. Hyde Bequest.	971 73	46 34
Institutions Department:		
Sawyer Marcella Street Home Fund, Income.	529 41	22 00
Ellen C. Johnson Bequest.	793 36	43 84
Library Department:		
Trust Funds, Income.	39,156 04	6,392 17
James L. Whitney Bibliographic Account, Income.	9,058 33	350 00
The Children's Fund, Income.	4,064 37	1,563 71
George F. Parkman Fund, Income.		37,163 29
J. Harleston Parker Medal Fund, Income.	54 50	
Phillips Street Fund, Income.	10,328 48	227 50
Police Charitable Fund, Income.	5,746 42	543 28
Randidge Trust Fund, Income.	430 45	675 00
School Committee:		
Bowdoin Dorchester School Fund, Income.	1,120 25	95 63
Eastburn School Fund, Income.	2,410 99	
Franklin Medal Fund, Income.	90 51	
Gibson School Fund, Income.	5,882 39	975 63
Horace Mann School Fund, Income.	1,227 94	162 00
Peter P. F. Degrand School Fund, Income.	2,655 82	2 53
Teachers' Waterston Fund, Income.	1,282 50	72 00
Walter Scott Medal for Valor Fund, Income.	58 98	
George Robert White Fund, Income.	* 44,745 02	44,947 33
	\$138,380 32	\$174,034 28

TRUST FUNDS, ETC.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.
		\$58,006 41	\$58,006 41	\$58,006 41	
		6,995 35	6,995 35	6,995 35	.
		2,867 40	285 00	285 00	\$2,582 40
		4,068 35	2 00	2 00	4,066 35
		4,078 32			4,078 32
		275 75			275 75
		259 60			259 60
		676 17			676 17
		11,297 51	11,214 90	11,214 90	82 61
		1,018 07			1,018 07
		551 41	12 86	12 86	538 55
		837 20			837 20
		45,548 21	492 90	492 90	45,055 31
		9,408 33	150 00	150 00	9,258 33
		5,628 08			5,628 08
		37,163 29			37,163 29
		54 50			54 50
		10,555 98			10,555 98
		6,289 70	609 50	609 50	5,680 20
		1,105 45			1,105 45
		1,215 88			1,215 88
		2,410 99	300 00	300 00	2,110 99
		90 51			90 51
		6,858 02	328 60	328 60	6,529 42
		1,389 94			1,389 94
		2,658 35			2,658 35
		1,354 50			1,354 50
		58 98			58 98
		89,692 35	2,626 48	2,626 48	* 87,065 87
		\$312,414 60	\$81,024 00	\$81,024 00	\$231,390 60

* Investments in addition to above, \$111,935.70.

REFUNDS, ETC.

OBJECTS.	Balances from 1930.	Revenue received during 1931.
Duplicates and Overpayments.....	\$171,459 62	\$1,582 69
Refunded Fees and Other Charges.....		
Refunded Ashes and Garbage Tickets.....		313 80
Refunded Building Department Permit.....		
Refunded Ferry Service Tolls.....		7 90
Refunded Highways, Making of, Street Construction Assessment..		
Refunded Interest.....		
Refunded Licensing Board Permit.....		
Refunded Motor Vehicle Excise Tax.....		2,851 97
Refunded Police Department Permit.....		
Refunded Sewerage Works Assessment.....		
Refunded Street Laying-Out Permit.....		
Refunded Taxes.....		11,510 88
Refunded Wire Division Permit.....		
Residue from Tax Sales, etc.....	8,817 07	
Tax Titles.....	158 02	
County of Suffolk:		
Refunded Bail.....		
Refunded Fines.....		
	\$180,434 71	\$16,267 24

RECAPITULATION.

	Balances from 1930.	Revenue received dur- ing 1931.	Loans Issued in 1931.	Appropriations 1931.*
City of Boston Regular Appropriations.....	\$46,836 77	\$994 62		
School Appropriations.....	2,992,339 09			
County of Suffolk Regular Appropriation.....	361 22			
Loan, Revenue and Special Appropriations....	8,201,959 74	919,285 48		
Trust Funds, etc.....	138,380 32	174,034 28		
Refunds, etc.....	180,434 71	16,267 24		
	\$11,560,311 85	\$1,110,581 62		

* The Appropriation Bill for the financial year 1931 not having been passed, payments are made under authority of chapter 320, Acts 1889.

REFUNDS, ETC.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.
.....		\$173,042 31	\$1,626 81	\$1,626 81	\$171,415 50
.....		313 80	313 80	313 80	
.....		7 90	7 90	7 90	
.....					
.....		2,851 97	2,851 97	2,851 97	
.....					
.....		11,510 88	11,510 88	11,510 88	
.....		8,817 07	.....	.....	8,817 07
.....		158 02	.....	.....	158 02
.....					
.....		\$196,701 95	\$16,311 36	\$16,311 36	\$180,390 59

RECAPITULATION.

Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.	Loans authorized but not issued.
.....		\$47,831 39	\$2,484,038 60	\$2,484,038 60		
.....		2,992,339 09	1,337,441 79	1,337,441 79		
.....		361 22	258,514 73	258,514 73		
.....		9,121,245 22	1,430,855 28	1,430,855 28	.....	\$8,615,000 00
.....		312,414 60	81,024 00	81,024 00	\$231,390 60	
.....		196,701 95	16,311 36	16,311 36	180,390 59	
.....		\$12,670,893 47	\$5,608,185 76	\$5,608,185 76	.....	\$8,615,000 00

CITY RECORD — PUBLICATION OF.

	Appropriations for 1931.*	Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.
Personal service.....					\$460 81	\$460 81	
Service other than personal.....							
Supplies.....							
					\$460 81	\$460 81	

PRINTING DEPARTMENT.

	Appropriations for 1931.*	Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.
Personal service.....					\$19,347 00	\$19,347 00	
Service other than personal.....					1,416 03	1,416 03	
Equipment.....					41 12	41 12	
Supplies.....					100 50	100 50	
Materials.....					436 93	436 93	
Special items.....					88 88	88 88	
Miscellaneous.....					8,032 40	8,032 40	
					\$29,462 86	\$29,462 86	

* The appropriation bill for the financial year 1931 not having been passed, payments are made under authority of chapter 320 of the Acts of 1889.

PUBLIC WORKS DEPARTMENT — WATER SERVICE.

	Appropriations for 1931.*	Transfers to.	Transfers from.	Total Credits.	January 31 Draft.	Expenditures for 1931.	Balances Unexpended.
Current expenses:							
Personal service.....					\$84,259 38	\$84,259 38	
Service other than personal.....					2,268 95	2,268 95	
Equipment.....					166 55	166 55	
Supplies.....					439 62	439 62	
Materials.....					1,577 11	1,577 11	
Special items.....					1,289 41	1,289 41	
Refunded Rates.....					\$90,001 02	\$90,001 02	
					\$90,001 02	\$90,001 02	

* The appropriation bill for the financial year 1931 not having been passed, payments are made under authority of chapter 320 of the Acts of 1889.

CITY AND COUNTY FUNDED DEBT.

[illegible]

* Includes \$159,999.96 issued by the Commonwealth under chapter 534 of the Acts of 1906.

GROSS FUNDED DEBT.

	City Debt.	County Debt.	Water Debt.	Rapid Transit Debt.	Total.
December 31 1930.....	\$95,804,401 00	\$1,888,999 96	\$538,000 00	\$54,424,700 00	\$152,656,100 96
January 31, 1931.....	95,804,401 00	1,888,999 96	538,000 00	54,424,700 00	152,656,100 96

NET FUNDED DEBT.

	City Debt.	County Debt.	Water Debt.	Rapid Transit Debt.	Total.
December 31, 1930.....	\$65,544,363 02	\$1,223,101 07	\$538,000 00	\$43,191,696 73	\$110,497,160 82
January 31, 1931.....	65,304,192 35	1,215,342 57	538,000 00	43,108,945 62	110,166,480 54
Decrease	\$240,170 67	\$7,758 50	.....	\$82,751 11	\$330,680 28

CITY AND COUNTY FUNDED DEBT.

January 31, 1931.

Total Funded Debt, City and County		* \$152,656,100 96
Funded debts outside the debt limit (debts exempted from the operation of the law limiting municipal indebtedness):		
City debt	\$39,554,300 00	
Water debt	538,000 00	
County debt	1,059,999 96	
Rapid Transit debt	54,424,700 00	
		<u>95,576,999 96</u>
Funded debt within the debt limit		\$57,079,101 00
Offsets to funded debt:		
Sinking funds	\$39,359,452 76	
Less Sinking Funds for debt outside the debt limit:		
City Sinking Funds	\$16,727,153 60	
County Sinking Fund	673,657 39	
Rapid Transit Sinking Funds	11,315,754 38	
		<u>28,716,565 37</u>
		\$10,642,887 39
Premiums on loans	\$16,398 02	
Less on loans outside debt limit	4,610 36	
		<u>11,787 66</u>
Offsets to funded debt within the debt limit		10,654,675 05
Net indebtedness within the debt limit		<u>\$46,424,425 95</u>

* Includes \$159,999.96 issued by the Commonwealth under chapter 534 of the Acts of 1906.

DEBT INCURRING POWER.

January 31, 1931.

Date of Order.	Object.	Amount.	Total.
	Total Debt Incurring Power within the Debt Limit, under chapter 93, Acts of 1891, and chapter 267, Special Acts of 1916, as estimated January 22, 1931.....	.....	\$4,656,600 58

LOANS AUTHORIZED BUT NOT ISSUED.

January 31, 1931.

Date of Order.	Object.	Inside of Debt Limit.	Outside of Debt Limit.
June 27, 1902	Boston Tunnel and Subway (Chap. 534, Acts 1902) . . . . .	.....	*
June 23, 1906	Rapid Transit, Cambridge Con- nection (Chap. 520, Acts 1906) . . . . .	.....	§
June 8, 1907	Riverbank Subway (Chap. 573, Acts 1907) . . . . .	.....	||
July 20, 1911	Boylston Street Subway (Chap. 741, Acts 1911) . . . . .	.....	¶¶
July 20, 1911	Dorchester Tunnel (Chap. 741, Acts 1911) . . . . .	.....	†
July 20, 1911	East Boston Tunnel Extension (Chap. 741, Acts 1911) . . . . .	.....	††
May 26, 1916	Arlington Station (Chap. 342, Special Acts 1916) . . . . .	.....	**
June 15, 1917	East Boston Tunnel, Alterations (Chap. 373, Special Acts 1917) . . . . .	.....	‡
March 28, 1924	Dorchester Rapid Transit (Chap. 480, Acts 1923) . . . . .	.....	†††
March 20, 1924	Tremont Street Subway, Alterations (Chap. 120, Acts 1924) . . . . .	.....	††
March 20, 1924	Rapid Transit, East Boston Tunnel, Alterations (Chap. 120, Acts 1924) . . . . .	.....	†††
Dec. 1, 1929	Traffic Tunnel (Acts of 1929) **** . . . . .	.....	\$200,000 00
Aug. 26, 1930			
Dec. 27, 1930	Boylston Street Subway (Chap. 394, Acts 1930) . . . . .	.....	¶¶¶
June 5, 1923	Hyde Park Street Railway (Chap. 405, Acts 1923) . . . . .	.....	***
Aug. 21, 1926	East Boston Pumping Station and Outlet . . . . .	.....	350,000 00
Aug. 21, 1926	Oakland and Ashland Streets, Improvement . . . . .	.....	80,000 00
	Carried forward . . . . .	.....	\$630,000 00

* No limit to amount. Borrowed to date \$8,496,700.
§ No limit to amount. Borrowed to date \$1,648,000.
|| No limit to amount. Borrowed to date \$505,000.
¶ No limit to amount. Borrowed to date \$4,918,000.
† No limit to amount. Borrowed to date \$12,150,000.
†† No limit to amount. Borrowed to date \$2,500,000.
** No limit to amount. Borrowed to date \$1,238,000.
‡ No limit to amount. Borrowed to date \$3,900,000.
††† No limit to amount. Borrowed to date \$10,660,000.
†† No limit to amount. Borrowed to date \$65,000.
††† No limit to amount. Borrowed to date \$20,000.
*** No limit to amount. Borrowed to date \$322,000.
**** Limited to \$16,000,000. Borrowed to date \$4,050,000.
¶¶ Limited to \$4,935,000. Borrowed to date \$700,000.

LOANS AUTHORIZED, BUT NOT ISSUED.— *Continued.*

Date of Order.	Object.	Inside of Debt Limit.	Outside of Debt Limit.
	<i>Brought forward</i>		\$630,000 00
March 5, 1929....	Hospital Department, Medical Pavilion (Chap. 237, Acts of 1928) ..	\$40,000 00	
March 5, 1929....	Hospital Department, Medical Pavilion (Chap. 237, Acts of 1928) ..		40,000 00
May 22, 1928....	Hospital Department, Sanatorium Division, New Buildings and Additions and Equipment and Furniture.....	100,000 00	
Sept. 7, 1928....	River Street, Reconstruction.....	20,000 00	
Nov. 14, 1928....	Fire Station, Brighton.....	9,000 00	
July 9, 1929....	Public Golf Course.....	65,000 00	
July 16, 1929....	Savin Hill Bay, Sewerage Works, etc. (Chap. 239, Acts 1929).....		140,000 00
July 23, 1929....	Hospital Buildings, Plans, etc.....	65,000 00	
Aug. 27, 1929....	Amerena Park and Paris Street Playground, East Boston, Playground and Locker Building.....	20,000 00	
Oct. 23, 1929....	Hospital Department, Remodeling Old Ward N Building (Chap. 237, Acts of 1928).....	15,000 00	
Oct. 23, 1929....	Hospital Department, Remodeling Old Ward N Building (Chap. 237, Acts of 1928).....		15,000 00
Oct. 29, 1929....	Automatic Traffic Control Signals in the Suburban Sections.....	50,000 00	
Dec. 18, 1929....	Automatic Traffic Signal System on Commonwealth Avenue from Arlington Street to Governor Square.....	125,000 00	
Dec. 18, 1929....	Automatic Traffic Signal System on Massachusetts Avenue from Tremont Street to Harvard Bridge.....	75,000 00	
Feb. 5, 1930....	Hospital Department, South Department Buildings, Remodeling, etc. (Chap. 237, Acts of 1928)....		10,000 00
Feb. 5, 1930....	Hospital Department, South Department Buildings, Remodeling, etc. (Chap. 237, Acts of 1928).....	10,000 00	
Feb. 5, 1930....	Hospital Department, Laundry Building (Chap. 237, Acts of 1928), ...		87,000 00
Feb. 5, 1930....	Hospital Department, Laundry Building (Chap. 237, Acts of 1928), ...	87,000 00	
Feb. 5, 1930....	Hospital Department, Children's Pavilion (Chap. 237, Acts of 1928), ...		12,000 00
Feb. 5, 1930....	Hospital Department, Children's Pavilion (Chap. 237, Acts of 1928), ...	12,000 00	
Feb. 5, 1930....	Hospital Department, Administration Building (Chap. 237, Acts of 1928).....		45,000 00
	<i>Carried forward</i>	\$693,000 00	\$979,000 00

LOANS AUTHORIZED, BUT NOT ISSUED.— *Concluded.*

Date of Order.	Object.	Inside of Debt Limit.	Outside of Debt Limit.
	<i>Brought forward</i>	\$693,000 00	\$979,000 00
Feb. 5, 1930....	Hospital Department, Administra- tion Building (Chap. 237, Acts of 1928)	45,000 00	
Feb. 5, 1930....	Hospital Department, Sanatorium Division, New Buildings and Ad- ditions and Equipment and Fur- niture	50,000 00	
Feb. 11, 1930....	Columbus Park and Strandway, Im- provements, etc.	210,000 00	
Feb. 11, 1930....	Charles Street Widening, etc. (Chap. 371, Acts of 1929)		355,000 00
March 4, 1930....	Courthouse, Brighton	60,000 00	
March 4, 1930....	East Boston Courthouse and Police Station 7, Alterations and New Buildings	55,000 00	
March 15, 1930...	Branch Libraries, Establishment of..	60,000 00	
March 26, 1930...	New Fireboat	210,000 00	
May 20, 1930....	Hospital Department, Children's Pavilion (Chap. 237, Acts of 1928)	124,000 00	
May 20, 1930....	Hospital Department, Children's Pavilion (Chap. 237, Acts of 1928)		124,000 00
June 2, 1930....	Centre Street		1,100,000 00
June 3, 1930....	Sewerage Works		300,000 00
June 3, 1930....	Summer and L Streets, Widening and Construction of		700,000 00
June 3, 1930....	Reconstruction of Streets		800,000 00
June 2, 1930....	Highways, Making of		2,500,000 00
July 22, 1930....	County of Suffolk, Jail Improve- ments	35,000 00	
Dec. 30, 1930....	Fallon Field Playground, Additional Land and Construction	90,000 00	
Dec. 30, 1930....	North End Park, Bathhouse and Laundry Building and Equip- ment, etc.	125,000 00	
		<u>\$1,757,000 00</u>	<u>\$6,858,000 00</u>
	Inside debt limit... \$1,757,000 00		
	Outside debt limit.. 6,858,000 00		
	<u>\$8,615,000 00</u>		



MESSAGE OF THE MAYOR

RECOMMENDING

APPROPRIATIONS AND TAX ORDERS FOR THE FINANCIAL YEAR 1931.

OFFICE OF THE MAYOR,
BOSTON, March 16, 1931.

To the City Council.

GENTLEMEN,— In compliance with section 3 of the amended City Charter, I submit herewith my budget recommendations for the fiscal year 1931 in full segregated form in substitution for the lump sum recommendations submitted on January 26, 1931.

These budget recommendations cover five main appropriation groups, namely, city maintenance within the tax limit, city debt requirements, county maintenance, county debt requirements and appropriations for the income departments of the city. The following detailed explanations are offered in connection with these groups.

CITY MAINTENANCE.

The allowances recommended for city departments within the tax limit total \$38,957,837.99. This total represents a reduction of \$5,243,545.42 from the estimates as originally submitted by department officials and is \$2,094,580.39 in excess of the total of appropriation recommendations submitted in 1930. Under our city budget, appropriations are segregated under eight

group headings. The following schedule indicates the group distribution of the increase in the budget recommendations for the current year.

TWO-YEAR BUDGET COMPARISON.

GROUP.	1931.	1930.	Increase.
A. Personal service.....	\$21,465,157 15	\$21,191,088 84	\$274,068 31
B. Contractual service.....	4,405,637 00	4,543,094 76	137,457 76*
C. Equipment.....	1,461,779 03	1,459,511 04	2,267 99
D. Supplies.....	2,526,065 08	2,457,097 00	68,968 08
E. Materials.....	556,395 00	632,265 00	75,870 00*
F. Special items.....	7,493,804 73	4,372,868 83	3,120,935 90
G. Miscellaneous.....	152,500 00	125,532 13	26,967 87
Special appropriations.....	896,500 00	2,081,800 00	1,185,300 00*
	\$38,957,837 99	\$36,863,257 60	\$2,094,580 39

* Decrease.

The following explanations are offered in connection with the changes indicated in the various groups in the above schedule.

Personal Service.

The personal service requirements of the city for 1931 are \$274,068.31 in excess of the appropriations recommended in 1930. The distribution of this excess is indicated in the following table:

Increase in permanent employees pay rolls	\$433,434 69
Decrease in temporary employees pay rolls	\$104,980 38
Decrease in overtime pay rolls	54,386 00
	<u>159,366 38</u>
Net increase	<u>\$274,068 31</u>

The increase in appropriations for permanent employees has been caused by the overlay resulting from personal service changes made during the previous year, new positions allowed in city departments where increased activities would seem to warrant, and by a limited number of salary increases. The relative importance of these three items is shown in the following table:

Overlay from 1930	\$199,568 81
New positions	165,865 88
Salary increases	68,000 00
Total	<u>\$433,434 69</u>

The item of overlay results from salary increases granted and new positions established during the year 1930. The amount indicated for this item is the lowest in many years. It has been deemed necessary to provide appropriations for 228 new positions. The bulk of these positions, in fact 85 per cent, have been provided in three departments. In the Hospital Department, 129 new positions are required because of the opening of new buildings and the great increase in the number of patients admitted to this institution. The records of the Hospital Department indicate that 490 more patients were admitted to the hospital in January of this year than in the corresponding month in 1930. In the Public Welfare Department forty-eight new positions have been established in order to handle the extraordinary increase in the number of applications for relief, and also because of the additional burden which will be placed upon the department, beginning in July of this year, through the operation of the Old Age Assistance Act. In the Health Department the continued extension of clinics in the health units has necessitated the addition of eighteen permanent positions to the department personnel. The balance of the new positions is spread through nineteen departments and may be attributed, in the main, to increased activities within these departments.

Under the heading of salary increases, appropriations have been provided for increasing the compensation of 1,054 city employees. The distribution of this number and the expense involved are shown in the following table:

	Number.	Cost.
Patrolmen.....	802	\$40,000 00
Privates.....	220	15,000 00
Members of City Council.....	22	11,000 00
Finance Commission employees.....	10	2,000 00
Total.....	1,054	\$68,000 00

As announced in my message to the City Council under date of the second ultimo, I have felt it necessary this year, because of the extraordinary demands resulting from widespread unemployment, to maintain without change the present salary schedules of the city. The only exception to this general rule that has been made is in the case of patrolmen and privates in the Police and Fire Departments. In the case of these employees, an implied contract may be said to exist whereby they are to receive each year, on the anniversary of their original appointment, \$100 step rate increases until the maximum for their group is reached. The increases in salaries of members of the City Council was ratified last November by a referendum vote of the citizens of the city. The increases granted by the Finance Commission to their employees are beyond the jurisdiction of the Mayor's office.

The decrease indicated in appropriations for temporary employees may be attributed to two causes; first, a reduction in the number of election functions to be held this year, and, second, because of the fact that this year a special appropriation has been established in the budget of the Public Works Department for the item of snow removal. In past years, expense incurred in such work has been charged against four items in the budget, so that it has never been readily apparent what the total actual cost of combating the winter storms was to the city. With the establishment this year of a special item for snow removal, it has been possible to charge against the item all of the expenses incurred, with the exception, of course, of the work performed by the regular day-labor forces of the city. The temporary help hired in connection with the removal of snow this year is charged against a special item and does not, as in former years, appear under the regular appropriation for temporary employees. Reduction in the appropriation for overtime payments is based on the policy of limiting such payments to the lowest possible minimum.

Contractual Service.

Appropriations for services rendered the city by individuals and corporations show a decrease of \$137,457.76 from similar appropriations in 1930. This reduction has been realized, in the main, by deferring contemplated expenditures wherever possible. Material savings have been effected within the group in the

following items: Appropriations for repairs to public buildings, parks, playgrounds, and to motor and motorless vehicles have been reduced so as to provide only for work considered absolutely necessary and essential. Savings in the cost of removal and disposal of waste have been achieved by taking advantage of favorable contract prices. Additional bed capacity at the Sanatorium in Mattapan, resulting from the opening of new buildings, has made possible the transfer of Boston citizens from state sanatoria, thus reducing payments by the city to the state in this respect. The hire of outside teams and trucks to supplement departmental equipment has been reduced to the lowest possible minimum. The establishment of a bureau of photography in the Police Department has made possible a reduction in the payment of outside photographers, and the gradual replacement of horse-drawn vehicles by motor vehicles is reflected in savings in the item of board and care of horses.

A greater reduction in the group total might have been effected if it was not deemed necessary to grant increases for the following purposes,—lighting of city streets, extension of the operation of traffic signals and a larger program for the cleaning of catch-basins. The advertising, by the Police Commissioner, of the rules and regulations for hackney and taxi-cabs, together with an estimated increase in the size of the tax-sale advertisement has necessitated increased appropriations for advertising in the daily papers and the *City Record*. To continue the work of modernizing the records of the Assessing and Registry Departments additional appropriations have been made for expert engineering and stenographic services. Additional buildings at the Hospital Department and the natural expansion of business throughout city departments have resulted in increased appropriations for telephone and messenger service. If it had not been necessary to grant additional allowances for these various items, a further reduction of \$100,000 in the group could have been effected.

Equipment.

Allowances for the purchase of new equipment are \$2,267.99 in excess of similar allowances during the year just passed. While this increase would appear to indicate that there is little difference between the amounts appropriated for 1930 and 1931, it must be

emphasized that it has only been possible to keep the appropriations for the current year down to the level of 1930 by making radical reductions in the amounts allotted to the various departments for the purchase of motor vehicles, motorless vehicles, furniture and fittings. In these items the policy of allowing only essential and necessary replacements has been followed. In this manner it has been possible to absorb substantial increases in the following items: In the Library Department, due to the expansion of branch facilities, it has been necessary to increase the allowance for the purchase of new books; in the Fire Department increased amounts have been made available in order to permit the rapid replacement of obsolete fire-alarm boxes; at the urgent request of the Police Commissioner substantial appropriations have been granted for the rehabilitation and improvement of the police-signal system as well as for the replacement of old and antiquated record and filing systems. The natural growth of our hospitals and institutions, resulting from the opening of new buildings, has necessitated increased grants for medical, surgical and laboratory equipment.

Supplies.

Departmental allowances under this item are segregated under fourteen items, nine of which show little change from last year, two indicate decreases, and three reflect substantial increases. Material savings have been effected in the items for fuel and animal forage. Improved heating installations, together with taking advantage of favorable price opportunities in the purchase of coal and fuel oil, have made possible savings of approximately \$30,000 under the heading of fuel. The gradual replacement of horse-drawn vehicles has naturally resulted in lessening the quantities of hay and grain purchased by the city. On the other hand, improvements contemplated in the records of the Police and Hospital Departments have made necessary an increase in the appropriations of these departments for office supplies. The extraordinarily large number of people now domiciled in the hospitals and institutions of the city has resulted in substantial increases in the amounts required for the purchase of foodstuffs, medicines, laboratory and surgical supplies. It is a pleasure to note, in this respect, that the percentage increase in these latter appropriations is less than the

percentage increase in population, thus indicating that the improvements initiated last year in the purchasing of supplies have borne fruit in the form of reduced appropriations.

Materials.

Appropriations for materials to be used by department forces in the maintenance and up-keep of departmental plant structures and equipment show a decrease of \$75,870 from similar appropriations in 1930. Of the ten items making up this group, eight show little, if any, change from last year and the remaining two reflect substantial reductions. Here again, the policy of limiting appropriations to essential and necessary requirements has made possible these savings.

Special Items.

Under this group are segregated items of expenditure resulting largely from legislative action. Payments for noncontributory pensions for members of the Police and Fire Departments, relief payments to families in need, aid of widowed mothers, workmen's compensation, soldiers' relief, and a new item appearing this year for the first time, namely, old age assistance, have all developed through legislation. Because of this fact, the city has little, if any, control over the amounts to be appropriated under these items. This thought should not be lost sight of when the extraordinary increase in the amount of appropriations under this group is considered.

I believe it is hardly necessary for me to elaborate or expand upon the extraordinary expansion which has taken place, within the last year, in the work of the Public Welfare Department. At the present time approximately 12,000 people are being aided by the city, whereas, last year at this particular period, the Public Welfare Department was aiding approximately 6,000 people. This 100 per cent increase in the number of people being aided has naturally resulted in a similar percentage increase in the appropriations of the department. The 1931 appropriations for care of dependents and mothers' aid show an increase of \$2,625,000 over the original budget allowances of 1930. In addition, under the terms of the Old Age Assistance Act, it will be necessary, beginning July 1st of this year,

for the city to furnish "adequate assistance" to persons of seventy years of age and over who are entitled, under the terms of the act, to such aid. The Overseers of the Public Welfare estimate that this new legislation will necessitate a minimum appropriation by the city for the six months during which the act will be in effect for the current year of \$500,000.

An increase of \$3,000,000 in the appropriations of any one department is an unusual and extraordinary happening. Under existing circumstances, however, there appears to be no other course of action open to the city. Despite the absence of a community chest or any other method of securing contributions from individuals, our city has been remarkably free from disturbances arising out of widespread unemployment. In other large cities of the country, where negligible relief has been afforded by the city government, bread lines, mass meetings and other indications of social unrest have occurred. The fact that Boston has not witnessed any of these distressing spectacles is the best testimonial that could be offered as to the wisdom of the policy pursued by the city.

Of course, the abnormal increase in the appropriations for the Public Welfare Department is bound to be reflected in an increased tax rate, unless ways and means are devised whereby at least a part of the additional burden may be financed by other than direct taxation. The opening up of such ways and means unfortunately is not within the province of the city. Relief from direct taxation in this respect can only be secured by action of the Legislature. It is to be hoped that the propaganda now appearing in the columns of the public press will not blind the vision of the members of the Legislature to the extent that no relief will be afforded municipalities from the great financial burden imposed upon them by the existing economic depression. The obligation of providing for the needy must continue until society is safeguarded from recurring periods of industrial depression and this duty cannot be disregarded.

Miscellaneous.

The increase of approximately \$27,000 reflected in this group is caused by the mounting maintenance expenses of the Municipal Airport at East Boston. The

work of developing and expanding the airport, which has been carried on during the past year, will undoubtedly result within a short time in the securing for the airport of the A-1 designation. To properly maintain the airport up to such a standard it is naturally necessary to provide additional amounts for maintenance expenses.

Special Appropriations.

In order to offset, to some degree, the abnormal increase in the appropriations for Public Welfare, it has been necessary to make radical and marked reductions in the appropriations which fall within this group. Being designated by the term "Special" it is possible to regulate the size of the individual appropriations according to the limit of the city's financial means. The reconstruction and repairing of streets, repairing of parkways and roadways, granolithic sidewalks, street signs and bridge repairs are necessary objects of expenditure if the city is to keep its house in order. Appropriations under these items, however, may be more readily deferred than any other items in the budget. Because of this fact, I have, of necessity, made material reductions in the appropriations for these particular objects. In the matter of reconstructing and repairing streets, I have found it necessary, for the time being at least, to make no allowances in the budget for this item. My total budget recommendations, within the tax limit, are \$503,000 less than the total appropriating power available within the limit. While I would have liked to appropriate this amount for reconstructing and repairing of streets, I have been forced, because of the size of the expenditures of the Public Welfare Department during the first two months of this year, to hold this surplus appropriating power in reserve until sufficient time has elapsed to secure a more exact determination of the probable amount to be required during the year for the needs of this department.

The expenditures of this department for care of dependents during the first two months of the current year was approximately \$1,000,000. This rate of expenditure, if maintained for the balance of the year, would require a total appropriation of \$6,000,000. My budget recommendations include an appropriation under this item of only \$5,000,000. Since it is highly question-

able whether it will be possible to keep expenditures for the full year within this original appropriation, I feel that it is absolutely necessary at this time to hold the unused appropriating power, previously mentioned, in reserve. If, in the course of three or four months, it would appear the peak of the depression had been reached and that a return to more normal conditions was at hand, I shall have no hesitancy in making a supplementary budget recommendation to the end that the unused appropriating power may be applied to street and highway reconstruction.

In addition to the items previously mentioned, appropriations for the Reserve Fund, Public Celebrations, Conventions and Entertainment of Distinguished Guests, and Snow Removal are included in this group. In the first item, namely, the Reserve Fund, I have reduced the appropriation to what, in the opinion of the financial officers of the city, is the irreducible minimum. I have also reduced the appropriations for Public Celebrations and Conventions to lower amounts than were contained in the 1930 budget. As explained in a previous section of this message, a special appropriation has been created this year, within the budget of the Public Works Department, for Snow Removal, the purpose of this action being to more accurately reflect, under one heading, the total cost to the city of such work. It is unnecessary for me to say, I believe, that the city has been forced to spend more for this purpose in 1931 than in the past two years.

CITY DEBT REQUIREMENTS.

City debt requirements for 1931 show an increase of \$595,752.29 over similar requirements in 1930. Approximately 80 per cent of this increase is to be found in serial loan requirements and is due, in a large measure, to the fact that in recent years it has been the policy of the Legislature to require that the period for which municipal loans are issued shall be shortened. Any shortening in the period for which a loan is issued naturally results in increasing the annual amount to be applied to the reduction of the principal. The balance of the increase, or approximately 20 per cent, is to be found in interest requirements and may be attributed to the fact that last year a substantial increase in the

amount of loans issued for public works, outside of the statutory debt limit of the city, was authorized.

Some of the important projects falling in this category are as follows: Reconstruction of existing streets, laying out and construction of new streets, sewerage works, the widening of Charles street and the widening and construction of Summer and L streets. In addition to these projects, sizable appropriations were made in the Hospital Department in connection with the \$6,000,000 building program. The issuance of these large amounts of debt not only made possible major improvements throughout the city, but also afforded increased opportunities for work to citizens of the community.

COUNTY MAINTENANCE.

Appropriations for county maintenance show an increase of \$51,126.54 over the total recommendations made for county purposes in 1930. The following table indicates the group distribution of this excess.

TWO-YEAR COUNTY BUDGET COMPARISON.

GROUP.	1931.	1930.	Increase.
A. Personal service.....	\$2,246,114 10	\$2,190,412 25	\$55,701 85
B. Contractual service.....	876,587 75	900,572 25	23,984 50*
C. Equipment.....	95,073 03	92,948 00	2,125 03
D. Supplies.....	349,693 00	339,043 00	10,650 00
E. Materials.....	36,130 00	34,910 00	1,220 00
F. Special items.....	83,553 51	79,539 35	4,014 16
G. Miscellaneous.....	9,175 00	7,775 00	1,400 00
	\$3,696,326 39	\$3,645,199 85	\$51,126 54

* Decrease.

The following explanations are offered in connection with the changes indicated in the above table in the various budget groups:

Personal Service.

County appropriations for permanent employees show an increase of \$58,729.16 over 1930 appropriations; whereas, allowances for temporary employees and over-

time show decreases of \$1,722.31 and \$1,305, respectively. The increase for permanent employees is accounted for as follows:

Transfers from other budget items	.	.	.	\$30,668	35
New positions	.	.	.	11,961	24
Overlay from 1930	.	.	.	11,542	07
Salary increases	.	.	.	4,557	50
Total	.	.	.	\$58,729	16

Under the provisions of chapter 400 of the Acts of 1930, salaries of county employees are to be regulated in accordance with a classification and compensation plan now under consideration by the City Council. Up to this year, employees of the Index Commissioners and clerical assistants in the district courts have been charged against Items B-29 and A-2, respectively. In order to facilitate the operation of the classification plan, it has been deemed advisable to transfer the charges for these employees to the permanent pay roll item, because of permanent character of their work. Naturally the increase resulting in this latter item is offset by corresponding reductions in the other two items. The item of Overlay represents the burden which must be borne this year because of salary increases granted and new positions allowed during 1930 in county departments. Because of increased business in five county departments, it has been deemed necessary to make provision for eight new positions within the county service. Salary increases have been provided for the justices, clerks, and assistant clerks in three of the district courts and for probation officers in the Superior Criminal Court. These increases are mandatory under existing statute and are outside the control of the Mayor.

Contractual Service.

County appropriations under this group show a decrease of approximately \$24,000 from similar appropriations in the previous year. Two factors are responsible, in the main, for this decrease, namely, the transfer of the employees of the Index Commissioners to another item in the budget, and the fact that the additional expenses contracted last year by the District Attorney

in connection with the Garrett case are not anticipated to recur this year. The savings resulting from these two factors have been offset, in a degree, by the necessity of providing additional allowances in the Superior Court for extra court sessions and in the Penal Institutions Department for dredging at the wharf at Deer Island and for repairs on the steamer "Michael J. Perkins."

Equipment.

Appropriations under this group show an increase of \$2,125.03 over those of last year. The principal items entering into this increase are the additional expenditures contemplated in connection with furnishing the new additions to the East Boston and Brighton courthouses and increased expenditures at the House of Correction for wearing apparel, resulting from the increased number of commitments to this institution.

Supplies.

The increase of \$10,650 reflected in the appropriations under this group may be attributed to two causes, increased population of Deer Island resulting in additional expenditures for food and other supplies, and increased allowances for office supplies throughout county departments, because of the natural expansion in the business of the different county offices.

Materials.

The small increase under this particular group is made necessary because of a recent fire at the House of Correction which destroyed some of the buildings facing on Shirley Gut. It is intended to replace these structures by department forces, consequently the only extra expense involved will be in the item of building materials entering into the reconstruction.

Special Items.

The increase of \$4,014.16 under this group is caused by increased pension requirements and additional payments by the Penal Institutions Department to the dependents of individuals sentenced to the House of Correction.

Miscellaneous.

The increase of \$1,400 reflected under this group is caused by the additional expenses of probation officers attached to the Municipal, Roxbury and Juvenile Courts.

COUNTY DEBT REQUIREMENTS.

County debt requirements for 1931 show an increase of \$9,907.46 over similar requirements in 1930. This increase has been caused by the issuance of a loan for improvements at the county jail. These improvements were made necessary by the destruction of certain jail property in connection with the widening of Charles street.

INCOME DEPARTMENTS.

Appropriations for the Printing Department, *City Record* and Water Department are \$93,238.69 in excess of similar appropriations for the year just closed. This increase is caused by the inclusion, in the budget, of an appropriation of \$250,000 for a contemplated extension of the high pressure fire service along Washington street, from Stuart street to the vicinity of Dover street. This section is occupied principally by dealers in furniture and household articles. This merchandise is of a highly inflammable character, and improved fire protection service within this section is considered absolutely essential. If it had not been for the inclusion of this particular appropriation, a marked reduction would have been present in the appropriations for income departments.

CONCLUSION.

The budget recommendations incorporated in this document have been made only after intensive study and investigation by the Budget Commissioner and myself. Any delay which may have attended the submission of my recommendations has been caused by the extraordinary situation present in the Public Welfare Department. In order to meet this situation, it has been necessary to make radical reductions in all other items of the budget. The reduction of \$5,243,545.42 made by me from the original estimates submitted by officials in charge of city departments is the largest reduction of its kind to be made in the last

decade of the city's budget experience. It is my opinion that the various departments of the city, in order to render adequate and proper service to the community, cannot function efficiently if any further reductions in their individual appropriations are made.

I, therefore, recommend early consideration and passage of the budget as here submitted for your honorable body.

Respectfully,

JAMES M. CURLEY,
Mayor.

DEPARTMENT ESTIMATES AND AMOUNTS ALLOWED BY MAYOR FOR 1931.

	Estimate.	Allowance.
Art Department	\$3,015 00	\$2,515 00
Assessing Department	379,124 39	367,475 00
Auditing Department	84,637 86	81,583 71
Boston Port Authority	50,000 00	37,156 67
Boston Retirement Board	32,304 71	31,636 21
Boston Traffic Commission	271,325 10	206,288 91
Budget Department	12,020 00	11,745 00
Building Department	270,252 95	265,495 40
Board of Appeal	17,551 67	13,280 00
Board of Examiners	5,471 66	5,355 00
City Clerk Department	53,999 74	53,205 44
City Council	87,325 00	85,100 00
City Council Proceedings	12,750 00	12,750 00
City Documents	55,000 00	50,000 00
City Planning Board	39,844 98	31,325 00
Collecting Department	227,334 09	202,723 20
Election Department	223,590 60	217,705 00
Finance Commission	50,000 00	50,000 00
Fire Department	4,908,418 86	4,710,750 05
Wire Division	107,122 81	103,495 00
Health Department	1,181,038 23	1,111,039 34
Hospital Department	3,262,973 03	3,090,597 14
Sanatorium Division	705,922 77	612,014 25
Institutions Department:		
Central Office	57,802 98	55,310 00
Child Welfare Division	296,504 13	264,055 00
Long Island Hospital	862,091 58	736,057 67
Steamer "George A. Hibbard" and Launch "James J. Minot"	53,517 37	46,285 00
Rainsford Island, Care of	2,800 00	1,500 00
Law Department	146,551 78	139,304 37
Library Department	1,447,734 00	1,262,504 00
Licensing Board	32,840 00	32,840 00
Market Department	17,374 67	17,374 67
Mayor, Office Expenses	101,659 59	96,959 59
Public Celebrations	75,000 00	75,000 00
Conventions and Entertainment of Dis- tinguished Guests	75,000 00	50,000 00
Park Department	2,039,155 17	1,845,441 10
Reconstructing and Repairing Parkways by Contract	213,605 00	75,000 00
Cemetery Division	214,557 92	175,022 01
Police Department	6,440,812 92	6,331,918 92
Public Buildings Department	734,794 79	597,720 17
Public Welfare Department:		
Central Office	6,949,981 56	*4,182,708 90
Temporary Home	20,415 31	14,100 00
Wayfarers' Lodge	25,316 38	23,278 00
Public Works Department:		
Central Office	91,699 27	90,811 64
Bridge Service	501,560 44	483,398 43
Bridges, Repairs, etc.	125,000 00	85,000 00
Ferry Service	577,787 53	567,946 00

* Exclusive of \$2,250,000 voted by City Council, March 9, 1931.

DEPARTMENT ESTIMATES AND AMOUNTS ALLOWED BY
MAYOR FOR 1931.— Continued.

	Estimate.	Allowance.
Ferry Improvements, etc.	\$20,000 00	\$20,000 00
Lighting Service	1,051,598 00	1,040,478 00
Paving Service	1,844,908 28	1,649,782 45
Granolithic Sidewalks	100,000 00	75,000 00
Reconstructing and Repairing Streets by Contract	2,000,000 00	—
Street Signs	15,000 00	15,000 00
Snow Removal	150,000 00	150,000 00
Sanitary Service	3,588,665 42	3,120,613 16
Sewer Service	798,839 00	730,428 97
Registry Department	79,793 15	74,976 00
Reserve Fund	500,000 00	350,000 00
Sinking Funds Department	3,300 00	3,300 00
Soldiers' Relief Department	487,997 09	480,562 11
Statistics Department	18,302 04	16,390 00
Street Laying-Out Department	215,131 96	200,938 08
Supply Department	54,119 15	52,804 50
Treasury Department	79,699 15	77,356 93
Weights and Measures Department	49,444 33	47,437 00
		\$36,707,837 99
Amount previously appropriated for Pub- lic Welfare Department		2,250,000 00
	\$44,201,383 41	\$38,957,837 99
City Debt Requirements	\$8,575,498 68	\$8,575,498 68
Suffolk County Courthouse (Custodian)	\$286,482 96	\$276,895 81
County Buildings	123,857 33	117,694 00
Jail	260,543 27	256,388 59
Supreme Judicial Court	61,463 75	61,073 75
Superior Court, Civil Session (General Expenses)	582,802 00	582,802 00
Superior Court, Civil Session (Clerk's Office)	186,495 40	175,157 60
Superior Court, Criminal Session	479,895 23	470,987 83
Probate Court	26,149 00	25,049 00
Municipal Court, City of Boston	446,206 00	438,306 00
Municipal Court, Charlestown District	34,559 60	34,326 85
East Boston District Court	31,987 35	31,709 75
Municipal Court, South Boston District	27,059 95	26,859 95
Municipal Court, Dorchester District	38,347 63	38,142 63
Municipal Court, Roxbury District	99,685 60	95,271 17
Municipal Court, West Roxbury District, ...	36,058 17	35,696 80
Municipal Court, Brighton District	21,869 80	19,613 00
Boston Juvenile Court	30,982 72	29,589 01
District Court of Chelsea	44,982 03	41,811 40
Registry of Deeds	197,989 46	192,274 92
Index Commissioners	27,212 59	26,036 85
Insanity Cases	33,120 00	33,120 00
Land Court	7,325 00	7,010 00
Medical Examiner Service, Northern Division	27,302 17	26,420 00
Medical Examiner Service, Southern Division	17,080 00	16,980 00
Associate Medical Examiner, Northern Division	2,420 00	2,335 00

**DEPARTMENT ESTIMATES AND AMOUNTS ALLOWED BY
MAYOR FOR 1931.— Concluded.**

	Estimate.	Allowance.
Associate Medical Examiner, Southern Division	\$1,910 00	\$1,855 00
Miscellaneous Expenses:		
Auditing Department	955 00	955 00
Budget Department	1,163 31	1,163 31
Collecting Department	1,400 00	1,400 00
Sheriff	3,200 00	3,200 00
Treasury Department	5,740 00	5,740 00
Granite Avenue Bridge	8,016 70	7,881 70
Social Law Library	1,000 00	1,000 00
Penal Institutions Department:		
Office Expenses	42,759 61	40,559 50
House of Correction	522,351 71	497,277 30
Steamer "Michael J. Perkins"	84,759 51	73,742 67
	<u>\$3,805,132 85</u>	<u>\$3,696,326 39</u>
County Debt Requirements	<u>\$164,843 75</u>	<u>\$164,843 75</u>
Printing Department	<u>\$532,423 91</u>	<u>\$528,090 54</u>
<i>City Record</i> , Publication of	<u>\$37,085 00</u>	<u>\$37,085 00</u>
Public Works Department:		
Water Service	\$1,747,467 56	\$1,737,189 18
High Pressure Fire Service, Extension of, ...	500,000 00	250,000 00
Collecting Department:		
Water Service	83,905 82	81,739 48
Water Service, Debt Requirements	70,165 00	70,165 00
	<u>\$2,401,538 38</u>	<u>\$2,139,093 66</u>

**RECAPITULATION OF AMOUNTS ALLOWED BY
MAYOR FOR 1931.**

From Taxes:		
For City Purposes within the Tax Limit	\$38,957,837 99	
City Debt Requirements	8,575,498 68	
City Total		\$47,533,336 67
For County of Suffolk Purposes	\$3,696,326 39	
County Debt Requirements	164,843 75	
		<u>3,861,170 14</u>
City and County Total		\$51,394,506 81
From Revenue:		
Printing Department	\$528,090 54	
<i>City Record</i> , Publication of	37,085 00	
Public Works Department, Water Service	1,737,189 18	
High Pressure Fire Service, Extension of	250,000 00	

Collecting Department, Water Division	\$81,739 48	
Water Service, Debt Requirements	70,165 00	
		\$2,704,269 20
Grand Total		<u>\$54,098,776 01</u>

BASIS OF ESTIMATES, 1930.

Average valuation, \$1,948,713,046.00.	
\$16 on the thousand brings	\$31,179,408 74
Estimated income and cash in treasury	7,430,635 88
Amount available for appropriation inside tax limit	<u>\$38,610,044 62</u>

BASIS OF ESTIMATES, 1931.

Average valuation, \$1,973,091,133.33.	
\$16 on the thousand brings	\$31,569,458 13
Estimated income and cash in treasury	7,891,379 86
Amount available for appropriation inside tax limit	<u>\$39,460,837 99</u>

WAYS AND MEANS OTHER THAN TAXES FOR 1931.

An estimate of the ways and means, other than taxes, of meeting the expenditures of the City of Boston and County of Suffolk for the year ending December 31, 1931:

Building Department	\$55,000 00
City Clerk Department	21,000 00
Collecting Department	45,000 00
Fire Department	92,000 00
Health Department	25,000 00
Hospital Department	280,000 00
Institutions Department	12,000 00
Interest	575,000 00
Library Department	23,000 00
Licensing Department	52,000 00
Market Department	96,000 00
Mayor	52,000 00
Park Department	120,000 00
Pedlers' Licenses	8,000 00
Police Department	55,000 00
Public Buildings Department	20,000 00
Public Welfare Department	500,000 00
Public Works Department	250,000 00
Registry Department	13,000 00
Soldiers' Relief Department	43,000 00
Street Laying-Out Department	60,000 00
Weights and Measures Department	15,000 00
County of Suffolk	550,000 00
Corporation Tax	3,200,000 00
Street Railway Tax	100,000 00
	<u>\$6,262,000 00</u>
Available cash in treasury, December 31, 1930	1,629,379 86
	<u>\$7,891,379 86</u>

**APPROPRIATIONS AND TAX ORDERS FOR
THE FINANCIAL YEAR 1931.**

APPROPRIATIONS AND TAX ORDERS FOR THE FINANCIAL YEAR 1931.

Ordered, That to meet the current expenses payable during the financial year beginning with the first day of January, 1931, for performing the duties and exercising the powers devolved by statute or ordinance, or by vote of the City Council during the year, upon the City of Boston or County of Suffolk, or the departments or officers thereof, and to meet their obligations for interest on debt, sinking fund requirements and maturing debt not provided for by sinking fund, the respective sums of money specified in the tables and schedules hereinafter set out be, and the same are, hereby appropriated for the several departments and for the objects and purposes hereinafter stated.

Ordered, That the appropriations for Water Service current expenses, extension of High Pressure Fire System and the payment to the State under the provisions of chapter 488 of the Acts of 1895, and acts in addition or amendment thereto, and for the interest and debt requirements or for loans issued for water purposes be met by the income of said works and any excess over income from taxes; that the appropriation for Printing Department be met by the department income and any excess over income from taxes; that the appropriation for *City Record* be met by the income of said publication and any excess over income from taxes; that the other appropriations hereinafter specified be met out of the money remaining in the treasury at the close of business on December 31, 1930, exclusive of the money raised by loan or needed to carry out the requirements of any statute, gift, trust or special appropriation, and by the income of the financial year beginning January 1, 1931, and taxes to the amount of \$41,253,126.95, and that said amount be raised by taxation on the polls and estates in the City of Boston.

Ordered, That all sums of money which form no part of the income of the city but shall be paid for services rendered or work done by any department or division for any other department or division, or for any person or corporation other than the City of Boston, be paid into the general treasury, and that all contributions made to any appropriation be expended for the objects and purposes directed by the several contributors thereof.

Ordered, That all taxes raised to meet the appropriations of the city and county and all taxes assessed for meeting the city's proportion of the state tax for the year 1931, be due and payable on the fifteenth day of September, 1931; that interest shall be charged on all taxes remaining unpaid after the second day of October, 1931, in accordance with the provisions of chapter 59, section 57, of the General Laws, until paid, except the taxes assessed upon shares of national banks, which shall bear interest at the rate of 12 per cent per annum from the fifteenth day of September, 1931, until paid; and that all interest which shall have become due on taxes shall be added to and be part of such taxes.

Ordered, That except as the appropriation for any purpose or item shall be increased by additional appropriations or transfers lawfully made, no money shall be expended by any department for any of the purposes or items designated in the tables and schedules hereinafter set out in excess of the amount set down as appropriated for such specific purpose or item; and except as aforesaid no salaries or wages shall be paid in excess of the rates specified in said tables and schedules.

GENERAL ITEMS.

CITY OF BOSTON.

ART DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	\$500 00
1.	Permanent employees	\$500 00
B.	SERVICE OTHER THAN PERSONAL	2,000 00
39.	General plant	\$2,000 00
D.	SUPPLIES	15 00
1.	Office	\$15 00
		<u>\$2,515 00</u>

ASSESSING DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	\$308,800 00
1.	Permanent employees	\$285,800 00
2.	Temporary employees	15,000 00
3.	Unassigned	8,000 00
B.	SERVICE OTHER THAN PERSONAL	30,825 00
1.	Printing and binding	\$125 00
3.	Advertising and posting	400 00
4.	Transportation of persons	450 00
14.	Motor vehicle repairs and care	900 00
28.	Expert	11,000 00
29.	Stenographic, copying and indexing	17,500 00
37.	Photographic and blueprinting	300 00
39.	General plant	150 00
C.	EQUIPMENT	1,250 00
4.	Motor vehicles	\$350 00
9.	Office	500 00
10.	Library	400 00
D.	SUPPLIES	18,100 00
1.	Office	\$17,500 00
11.	Motor vehicle	600 00
F.	SPECIAL ITEMS	8,500 00
14.	Listing	\$8,500 00
		<u>\$367,475 00</u>

AUDITING DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	\$73,623 71
1.	Permanent employees	\$73,123 71
2.	Temporary employees	500 00

Auditing Department.

B. SERVICE OTHER THAN PERSONAL		\$6,360 00
12. Bond and insurance premiums	\$225 00	
18. Cleaning	60 00	
28. Expert	6,000 00	
39. General plant	75 00	
D. SUPPLIES		1,600 00
1. Office	\$1,600 00	
		<u>\$81,583 71</u>

BOSTON PORT AUTHORITY.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$11,577 67
1. Permanent employees	\$11,577 67	
B. SERVICE OTHER THAN PERSONAL		4,450 00
1. Printing and binding	\$3,000 00	
3. Advertising and posting	150 00	
4. Transportation of persons	1,000 00	
13. Communication	300 00	
C. EQUIPMENT		379 00
7. Furniture and fittings	\$75 00	
9. Office	200 00	
10. Library	104 00	
D. SUPPLIES		750 00
1. Office	\$500 00	
2. Food and ice	250 00	
G. MISCELLANEOUS		20,000 00
2. Special investigations	\$20,000 00	
		<u>\$37,156 67</u>

BOSTON RETIREMENT BOARD.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$21,366 21
1. Permanent employees	\$21,228 11	
2. Temporary employees	138 10	
B. SERVICE OTHER THAN PERSONAL		8,885 00
4. Transportation of persons	\$100 00	
5. Cartage and freight	10 00	
22. Medical	3,600 00	
28. Expert	5,000 00	
29. Stenographic, copying and indexing	100 00	
35. Fees, service of venires, etc.	15 00	
39. General plant	60 00	
C. EQUIPMENT		285 00
9. Office	\$285 00	
D. SUPPLIES		1,100 00
1. Office	\$1,100 00	
		<u>\$31,636 21</u>

BOSTON TRAFFIC COMMISSION.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$134,088 91
	1. Permanent employees	\$118,588 91	
	2. Temporary employees	15,000 00	
	3. Unassigned	500 00	
B.	SERVICE OTHER THAN PERSONAL		31,425 00
	1. Printing and binding	\$300 00	
	3. Advertising and posting	600 00	
	4. Transportation of persons	1,000 00	
	5. Cartage and freight	100 00	
	8. Light, heat and power	17,000 00	
	13. Communication	700 00	
	14. Motor vehicle repairs and care	1,200 00	
	18. Cleaning	75 00	
	35. Fees, service of venires, etc.	50 00	
	37. Photographic and blueprinting	400 00	
	39. General plant	10,000 00	
C.	EQUIPMENT		26,675 00
	3. Electrical	\$1,800 00	
	4. Motor vehicles	3,000 00	
	7. Furniture and fittings	200 00	
	9. Office	300 00	
	10. Library	50 00	
	13. Tools and instruments	1,300 00	
	16. Wearing apparel	25 00	
	17. General plant	20,000 00	
D.	SUPPLIES		5,550 00
	1. Office	\$2,400 00	
	2. Food and ice	100 00	
	8. Laundry, cleaning and toilet	50 00	
	11. Motor vehicle	3,000 00	
E.	MATERIALS		8,500 00
	10. Electrical	\$1,500 00	
	13. General plant	7,000 00	
F.	SPECIAL ITEMS		50 00
	11. Workmen's compensation	\$50 00	
			<u>\$206,288 91</u>

BUDGET DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$11,325 00
	1. Permanent employees	\$11,325 00	
B.	SERVICE OTHER THAN PERSONAL		145 00
	1. Printing and binding	\$100 00	
	18. Cleaning	10 00	
	39. General plant	35 00	
C.	EQUIPMENT		75 00
	10. Library	\$75 00	
D.	SUPPLIES		200 00
	1. Office	\$200 00	
			<u>\$11,745 00</u>

BUILDING DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$248,302 23
1.	Permanent employees	\$247,302 23	
2.	Temporary employees	1,000 00	
B.	SERVICE OTHER THAN PERSONAL		9,855 00
1.	Printing and binding	\$75 00	
4.	Transportation of persons	4,500 00	
12.	Bond and insurance premiums	30 00	
14.	Motor vehicle, repairs and care	1,000 00	
35.	Fees, service of venires, etc.	75 00	
37.	Photographic and blueprinting	175 00	
39.	General plant	4,000 00	
C.	EQUIPMENT		3,033 03
4.	Motor vehicles	\$1,959 50	
9.	Office	433 03	
10.	Library	525 00	
13.	Tools and instruments	90 50	
16.	Wearing apparel	25 00	
D.	SUPPLIES		4,200 00
1.	Office	\$3,500 00	
11.	Motor vehicle	700 00	
E.	MATERIALS		70 00
10.	Electrical	\$70 00	
F.	SPECIAL ITEMS		35 14
7.	Pensions and annuities	\$35 14	
			<u>\$265,495 40</u>

BOARD OF APPEAL.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$10,240 00
1.	Permanent employees	\$10,200 00	
2.	Temporary employees	40 00	
B.	SERVICE OTHER THAN PERSONAL		2,656 00
3.	Advertising and posting	\$1,000 00	
28.	Expert	1,000 00	
29.	Stenographic, copying and indexing	600 00	
37.	Photographic and blueprinting	50 00	
39.	General plant	6 00	
C.	EQUIPMENT		159 00
9.	Office	\$84 00	
10.	Library	75 00	
D.	SUPPLIES		225 00
1.	Office	\$225 00	
			<u>\$13,280 00</u>

BOARD OF EXAMINERS.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$5,140 00
1.	Permanent employees	\$5,100 00	
2.	Temporary employees	40 00	

	Board of Examiners.	
B. SERVICE OTHER THAN PERSONAL		\$15 00
12. Bond and insurance premiums	\$5 00	
39. General plant	10 00	
D. SUPPLIES		200 00
1. Office	\$200 00	
		<u>\$5,355 00</u>

CITY CLERK DEPARTMENT.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$49,790 44
1. Permanent employees	\$49,676 44	
3. Unassigned	114 00	
B. SERVICE OTHER THAN PERSONAL		\$865 00
1. Printing and binding	\$400 00	
3. Advertising and posting	300 00	
4. Transportation of persons	25 00	
12. Bond and insurance premiums	10 00	
18. Cleaning	30 00	
39. General plant	100 00	
C. EQUIPMENT		300 00
9. Office	\$250 00	
10. Library	50 00	
D. SUPPLIES		1,650 00
1. Office	\$1,650 00	
F. SPECIAL ITEMS		600 00
7. Pensions and annuities	\$600 00	
		<u>\$53,205 44</u>

CITY COUNCIL.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$71,850 00
1. Permanent employees	\$71,850 00	
B. SERVICE OTHER THAN PERSONAL		3,925 00
1. Printing and binding	\$50 00	
3. Advertising and posting	150 00	
4. Transportation of persons	175 00	
5. Cartage and freight	200 00	
13. Communication	700 00	
29. Stenographic, copying and indexing	2,500 00	
37. Photographic and blueprinting	100 00	
39. General plant	50 00	
C. EQUIPMENT		225 00
9. Office	\$225 00	
D. SUPPLIES		2,600 00
1. Office	\$2,600 00	
G. MISCELLANEOUS		6,500 00
3. Incidentals	\$6,500 00	
		<u>\$85,100 00</u>

CITY COUNCIL PROCEEDINGS.

B. SERVICE OTHER THAN PERSONAL		\$12,750 00
1. Printing and binding	\$7,500 00	
29. Stenographic, copying and indexing	5,250 00	

CITY DOCUMENTS.

B. SERVICE OTHER THAN PERSONAL		\$50,000 00
1. Printing and binding	\$50,000 00	

CITY PLANNING BOARD.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$17,400 00
1. Permanent employees	\$17,400 00	
B. SERVICE OTHER THAN PERSONAL		1,025 00
1. Printing and binding	\$175 00	
4. Transportation of persons	200 00	
13. Communication	50 00	
37. Photographic and blueprinting	500 00	
39. General plant	100 00	
C. EQUIPMENT		400 00
10. Library	\$300 00	
13. Tools and instruments	100 00	
D. SUPPLIES		500 00
1. Office	\$500 00	
G. MISCELLANEOUS		12,000 00
2. Special investigations	\$12,000 00	
		<u>\$31,325 00</u>

COLLECTING DEPARTMENT.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$143,645 20
1. Permanent employees	\$125,645 20	
2. Temporary employees	3,000 00	
3. Unassigned	15,000 00	
B. SERVICE OTHER THAN PERSONAL		33,553 00
1. Printing and binding	\$25 00	
3. Advertising and posting	25,000 00	
4. Transportation of persons	150 00	
10. Rent, taxes and water	20 00	
12. Bond and insurance premiums	1,658 00	
14. Motor vehicle repairs and care	100 00	
29. Stenographic, copying and indexing	300 00	
35. Fees, service of venires, etc.	6,000 00	
39. General plant	300 00	
C. EQUIPMENT		475 00
4. Motor vehicles	\$50 00	
9. Office	425 00	
D. SUPPLIES		25,050 00
1. Office	\$24,000 00	
2. Food and ice	950 00	
11. Motor vehicle	100 00	
		<u>\$202,723 20</u>

ELECTION DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$158,300 00
	1. Permanent employees	\$127,300 00	
	2. Temporary employees	31,000 00	
B.	SERVICE OTHER THAN PERSONAL		52,299 00
	1. Printing and binding	\$44,370 00	
	3. Advertising and posting	1,000 00	
	4. Transportation of persons	325 00	
	5. Cartage and freight	1,764 00	
	6. Hire of teams and auto trucks	150 00	
	8. Light, heat and power	300 00	
	10. Rent, taxes and water	3,300 00	
	13. Communication	60 00	
	35. Fees, service of venires, etc.	30 00	
	39. General plant	1,000 00	
C.	EQUIPMENT		1,028 00
	2. Machinery	\$65 00	
	7. Furniture and fittings	135 00	
	9. Office	40 00	
	10. Library	200 00	
	13. Tools and instruments	20 00	
	17. General plant	568 00	
D.	SUPPLIES		4,908 00
	1. Office	\$4,200 00	
	2. Food and ice	500 00	
	3. Fuel	133 00	
	16. General plant	75 00	
E.	MATERIALS		1,170 00
	1. Building	\$900 00	
	10. Electrical	250 00	
	13. General plant	20 00	
			<u>\$217,705 00</u>

FINANCE COMMISSION.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$34,650 00
	1. Permanent employees	\$34,650 00	
B.	SERVICE OTHER THAN PERSONAL		7,350 00
	1. Printing and binding	\$1,000 00	
	4. Transportation of persons	150 00	
	8. Light, heat and power	175 00	
	10. Rent, taxes and water	5,100 00	
	13. Communication	600 00	
	18. Cleaning	75 00	
	37. Photographic and blueprinting	50 00	
	39. General plant	200 00	
C.	EQUIPMENT		250 00
	7. Furniture and fittings	\$25 00	
	9. Office	75 00	
	10. Library	150 00	
D.	SUPPLIES		750 00
	1. Office	\$700 00	
	2. Food and ice	50 00	

Finance Commission.

G. MISCELLANEOUS		\$7,000 00
2. Special investigations	\$7,000 00	
		<u>\$50,000 00</u>

FIRE DEPARTMENT.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$3,676,340 05
1. Permanent employees	\$3,671,840 05	
2. Temporary employees	500 00	
3. Unassigned	4,000 00	
B. SERVICE OTHER THAN PERSONAL		155,385 00
1. Printing and binding	\$1,800 00	
3. Advertising and posting	100 00	
4. Transportation of persons	1,000 00	
5. Cartage and freight	200 00	
6. Hire of teams and auto trucks	200 00	
8. Light, heat and power	34,000 00	
10. Rent, taxes and water	3,320 00	
12. Bond and insurance premiums	15 00	
13. Communication	11,000 00	
14. Motor vehicle repairs and care	20,000 00	
18. Cleaning	5,500 00	
22. Medical	1,100 00	
28. Expert	1,000 00	
35. Fees, service of venires, etc.	650 00	
37. Photographic and blueprinting	500 00	
39. General plant	75,000 00	
C. EQUIPMENT		316,025 00
1. Apparatus, cable, wire, etc.	\$15,000 00	
2. Machinery	525 00	
3. Electrical	37,000 00	
4. Motor vehicles	165,000 00	
7. Furniture and fittings	9,000 00	
9. Office	2,500 00	
11. Marine	3,000 00	
13. Tools and instruments	45,000 00	
16. Wearing apparel	35,000 00	
17. General plant	4,000 00	
D. SUPPLIES		133,200 00
1. Office	\$9,000 00	
2. Food and ice	1,000 00	
3. Fuel	73,000 00	
5. Medical, surgical, laboratory	200 00	
8. Laundry, cleaning, toilet	3,500 00	
11. Motor vehicle	35,000 00	
13. Chemicals and disinfectants	6,000 00	
16. General plant	5,500 00	
E. MATERIALS		64,500 00
1. Building	\$21,000 00	
10. Electrical	5,500 00	
13. General plant	38,000 00	
F. SPECIAL ITEMS		365,300 00
7. Pensions and annuities	\$365,000 00	
11. Workmen's compensation	300 00	
		<u>\$4,710,750 05</u>

Fire Department.

Wire Division.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$97,100 00
1.	Permanent employees	\$97,100 00	
B.	SERVICE OTHER THAN PERSONAL		3,825 00
1.	Printing and binding	\$25 00	
3.	Advertising and posting	150 00	
4.	Transportation of persons	2,900 00	
12.	Bond and insurance premiums	40 00	
13.	Communication	650 00	
37.	Photographic and blueprinting	10 00	
39.	General plant	50 00	
C.	EQUIPMENT		150 00
4.	Motor vehicles	\$150 00	
D.	SUPPLIES		2,400 00
1.	Office	\$2,100 00	
11.	Motor vehicle	300 00	
E.	MATERIALS		20 00
10.	Electrical	\$20 00	
			<u>\$103,495 00</u>

HEALTH DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$757,696 00
1.	Permanent employees	\$754,696 00	
2.	Temporary employees	3,000 00	
B.	SERVICE OTHER THAN PERSONAL		271,075 00
1.	Printing and binding	\$4,200 00	
3.	Advertising and posting	200 00	
4.	Transportation of persons	21,000 00	
5.	Cartage and freight	50 00	
8.	Light, heat and power	9,500 00	
12.	Bond and insurance premiums	10 00	
13.	Communication	3,000 00	
14.	Motor vehicle repairs and care	1,200 00	
16.	Care of animals	50 00	
17.	Care of persons	150,000 00	
18.	Cleaning	8,500 00	
22.	Medical	65,000 00	
28.	Expert	250 00	
35.	Fees, service of venires, etc.	100 00	
37.	Photographic and blueprinting	15 00	
39.	General plant	8,000 00	
C.	EQUIPMENT		7,110 00
4.	Motor vehicles	\$800 00	
7.	Furniture and fittings	500 00	
9.	Office	1,385 00	
10.	Library	200 00	
12.	Medical, surgical, laboratory	3,000 00	
13.	Tools and instruments	700 00	
16.	Wearing apparel	75 00	
17.	General plant	450 00	
D.	SUPPLIES		49,850 00
1.	Office	\$16,500 00	
2.	Food and ice	1,500 00	

Health Department.

3.	Fuel	\$11,000 00	
5.	Medical, surgical, laboratory	15,000 00	
8.	Laundry, cleaning, toilet	3,000 00	
11.	Motor vehicle	1,400 00	
13.	Chemicals and disinfectants	250 00	
16.	General plant	1,200 00	
E.	MATERIALS		\$400 00
1.	Building	\$150 00	
10.	Electrical	250 00	
F.	SPECIAL ITEMS		4,408 34
7.	Pensions and annuities	\$4,408 34	
G.	MISCELLANEOUS		20,500 00
2.	Special investigations	\$20,500 00	
			<u>\$1,111,039 34</u>

HOSPITAL DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$1,687,354 14
1.	Permanent employees	\$1,598,354 14	
2.	Temporary employees	75,000 00	
3.	Unassigned	14,000 00	
B.	SERVICE OTHER THAN PERSONAL		135,675 00
1.	Printing and binding	\$1,200 00	
3.	Advertising and posting	125 00	
4.	Transportation of persons	1,500 00	
5.	Cartage and freight	500 00	
8.	Light, heat and power	10,000 00	
12.	Bond and insurance premiums	100 00	
13.	Communication	14,000 00	
14.	Motor vehicle repairs and care	3,500 00	
15.	Motorless vehicle repairs	1,500 00	
18.	Cleaning	50 00	
21.	Removal of snow	1,800 00	
28.	Expert	1,200 00	
35.	Fees, service of venires, etc.	200 00	
39.	General plant	100,000 00	
C.	EQUIPMENT		174,068 00
2.	Machinery	\$800 00	
3.	Electrical	6,000 00	
4.	Motor vehicles	4,200 00	
5.	Motorless vehicles	1,250 00	
7.	Furniture and fittings	51,000 00	
8.	Educational and recreational	318 00	
9.	Office	4,500 00	
10.	Library	3,500 00	
12.	Medical, surgical, laboratory	73,500 00	
13.	Tools and instruments	9,000 00	
16.	Wearing apparel	20,000 00	
D.	SUPPLIES		1,044,700 00
1.	Office	\$29,000 00	
2.	Food and ice	690,000 00	
3.	Fuel	110,000 00	
4.	Forage and animal	1,000 00	
5.	Medical, surgical, laboratory	180,000 00	

Hospital Department.

8.	Laundry, cleaning, toilet	\$20,000 00	
9.	Educational and recreational	500 00	
10.	Agricultural	200 00	
11.	Motor vehicle	2,300 00	
13.	Chemicals and disinfectants	700 00	
16.	General plant	11,000 00	
E.	MATERIALS		\$38,000 00
1.	Building	\$22,000 00	
9.	Machinery	4,000 00	
10.	Electrical	8,500 00	
13.	General plant	3,500 00	
F.	SPECIAL ITEMS		10,800 00
7.	Pensions and annuities	\$2,800 00	
11.	Workmen's compensation	8,000 00	
			<u>\$3,090,597 14</u>

Sanatorium Division.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$318,211 50
1.	Permanent employees	\$310,711 50	
2.	Temporary employees	6,000 00	
3.	Unassigned	1,500 00	
B.	SERVICE OTHER THAN PERSONAL		39,625 50
1.	Printing and binding	\$150 00	
3.	Advertising and posting	15 00	
4.	Transportation of persons	500 00	
5.	Cartage and freight	350 00	
8.	Light, heat and power	14,000 00	
10.	Rent, taxes and water	1,000 00	
12.	Bond and insurance premiums	24 00	
13.	Communication	1,500 00	
14.	Motor vehicle repairs and care	200 00	
15.	Motorless vehicle repairs	50 00	
16.	Care of animals	100 00	
18.	Cleaning	1,200 00	
28.	Expert	500 00	
35.	Fees, service of venires, etc.	36 50	
39.	General plant	18,500 00	
42.	Music, concerts, etc.	1,500 00	
C.	EQUIPMENT		16,235 00
3.	Electrical	\$150 00	
4.	Motor vehicles	200 00	
5.	Motorless vehicles	75 00	
6.	Stable	35 00	
7.	Furniture and fittings	9,500 00	
8.	Educational and recreational	75 00	
9.	Office	300 00	
10.	Library	100 00	
12.	Medical, surgical, laboratory	3,000 00	
13.	Tools and instruments	1,000 00	
16.	Wearing apparel	1,800 00	
D.	SUPPLIES		222,625 00
1.	Office	\$2,500 00	
2.	Food and ice	170,000 00	
3.	Fuel	26,000 00	
4.	Forage and animal	450 00	

Hospital Department (Sanatorium Division).

5.	Medical, surgical, laboratory	\$17,000 00	
8.	Laundry, cleaning, toilet	3,700 00	
9.	Educational and recreational	75 00	
10.	Agricultural	200 00	
11.	Motor vehicle	300 00	
13.	Chemicals and disinfectants	600 00	
16.	General plant	1,800 00	
E.	MATERIALS		\$5,600 00
1.	Building	\$2,500 00	
9.	Machinery	1,000 00	
10.	Electrical	1,500 00	
13.	General plant	600 00	
F.	SPECIAL ITEMS		9,717 25
7.	Pensions and annuities	\$1,017 25	
11.	Workmen's compensation	200 00	
13.	Industries	8,500 00	
			<u>\$612,014 25</u>

INSTITUTIONS DEPARTMENT.**Central Office.**

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$46,700 00
1.	Permanent employees	\$45,700 00	
2.	Temporary employees	800 00	
3.	Unassigned	200 00	
B.	SERVICE OTHER THAN PERSONAL		5,840 00
1.	Printing and binding	\$20 00	
4.	Transportation of persons	1,882 00	
12.	Bond and insurance premiums	8 00	
13.	Communication	15 00	
14.	Motor vehicle repairs and care	1,100 00	
22.	Medical	2,600 00	
35.	Fees, service of venires, etc.	65 00	
37.	Photographic and blueprinting	25 00	
39.	General plant	125 00	
C.	EQUIPMENT		770 00
4.	Motor vehicles	\$500 00	
7.	Furniture and fittings	20 00	
9.	Office	200 00	
10.	Library	50 00	
D.	SUPPLIES		2,000 00
1.	Office	\$1,000 00	
11.	Motor vehicle	1,000 00	
			<u>\$55,310 00</u>

Child Welfare Division.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$35,350 00
1.	Permanent employees	\$32,250 00	
2.	Temporary employees	2,500 00	
3.	Unassigned	600 00	
B.	SERVICE OTHER THAN PERSONAL		181,105 00
3.	Advertising and posting	\$25 00	
4.	Transportation of persons	8,000 00	

Institutions Department (Child Welfare Division).

5.	Cartage and freight	\$1,100 00	
13.	Communication	175 00	
17.	Care of persons	165,000 00	
22.	Medical	5,500 00	
35.	Fees, service of venires, etc.	5 00	
39.	General plant	1,300 00	
C.	EQUIPMENT		\$42,885 00
7.	Furniture and fittings	\$300 00	
9.	Office	135 00	
12.	Medical, surgical, laboratory	450 00	
16.	Wearing apparel	42,000 00	
D.	SUPPLIES		3,715 00
1.	Office	\$1,500 00	
2.	Food and ice	40 00	
5.	Medical, surgical, laboratory	900 00	
8.	Laundry, cleaning and toilet	400 00	
9.	Educational and recreational	475 00	
16.	General plant	400 00	
F.	SPECIAL ITEMS		1,000 00
7.	Pensions and annuities	\$1,000 00	
			<u>\$264,055 00</u>

Long Island Hospital.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$309,557 67
1.	Permanent employees	\$301,357 67	
2.	Temporary employees	6,500 00	
3.	Unassigned	1,700 00	
B.	SERVICE OTHER THAN PERSONAL		49,500 00
1.	Printing and binding	\$150 00	
3.	Advertising and posting	75 00	
4.	Transportation of persons	250 00	
5.	Cartage and freight	125 00	
12.	Bond and insurance premiums	8 00	
13.	Communication	1,000 00	
17.	Care of persons	1,500 00	
35.	Fees, service of venires, etc.	92 00	
39.	General plant	45,000 00	
42.	Educational and recreational	1,300 00	
C.	EQUIPMENT		57,550 00
3.	Electrical	\$1,500 00	
4.	Motor vehicles	1,500 00	
6.	Stable	200 00	
7.	Furniture and fittings	16,000 00	
8.	Educational and recreational	600 00	
9.	Office	500 00	
10.	Library	400 00	
12.	Medical, surgical, laboratory	10,000 00	
13.	Tools and instruments	2,800 00	
16.	Wearing apparel	24,000 00	
17.	General plant	50 00	
D.	SUPPLIES		297,250 00
1.	Office	\$2,200 00	
2.	Food and ice	215,000 00	
3.	Fuel	44,000 00	

Institutions Department (Long Island Hospital).

4.	Forage and animal	\$1,600 00	
5.	Medical, surgical, laboratory	18,500 00	
8.	Laundry, cleaning, toilet	6,500 00	
9.	Educational and recreational	1,150 00	
10.	Agricultural	200 00	
11.	Motor vehicle	500 00	
13.	Chemicals and disinfectants	2,300 00	
15.	Tobacco	3,500 00	
16.	General plant	1,800 00	
E.	MATERIALS		\$21,200 00
1.	Building	\$11,000 00	
9.	Machinery	500 00	
10.	Electrical	2,700 00	
13.	General plant	7,000 00	
F.	SPECIAL ITEMS		1,000 00
13.	Industries	\$1,000 00	
			<u>\$736,057 67</u>

Steamer "George A. Hibbard" and Launch "James J. Minot."

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$24,300 00
1.	Permanent employees	\$22,100 00	
2.	Temporary employees	2,000 00	
3.	Unassigned	200 00	
B.	SERVICE OTHER THAN PERSONAL		15,285 00
8.	Light, heat and power	\$85 00	
13.	Communication	200 00	
39.	General plant	15,000 00	
C.	EQUIPMENT		800 00
11.	Marine	\$800 00	
D.	SUPPLIES		5,000 00
3.	Fuel	\$3,500 00	
14.	Marine	1,500 00	
E.	MATERIALS		900 00
11.	Marine	\$900 00	
			<u>\$46,285 00</u>
Rainsford Island, Care of			<u>\$1,500 00</u>

LAW DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$132,248 29
1.	Permanent employees	\$120,248 29	
2.	Temporary employees	12,000 00	
B.	SERVICE OTHER THAN PERSONAL		3,680 00
1.	Printing and binding	\$900 00	
4.	Transportation of persons	100 00	
12.	Bond and insurance premiums	5 00	
13.	Communication	1,700 00	
18.	Cleaning	25 00	
28.	Expert	600 00	
39.	General plant	350 00	

Law Department.

C. EQUIPMENT		\$1,000 00
9. Office	\$400 00	
10. Library	600 00	
D. SUPPLIES		2,376 08
1. Office	\$2,300 00	
2. Food and ice	76 08	
		<u>\$139,304 37</u>

LIBRARY DEPARTMENT.

A. PERSONAL SERVICE		\$858,903 00
B. SERVICE OTHER THAN PERSONAL		135,910 00
1. Printing and binding	\$1,500 00	
3. Advertising and posting	125 00	
4. Transportation of persons	1,000 00	
5. Cartage and freight	10,000 00	
8. Light, heat and power	17,860 00	
10. Rent, taxes and water	24,000 00	
12. Bond and insurance premiums	455 00	
13. Communication	3,200 00	
18. Cleaning	1,445 00	
19. Removal of ashes, dirt and garbage	200 00	
21. Removal of snow	500 00	
22. Medical	25 00	
28. Expert	5,000 00	
35. Fees, service of venires, etc.	100 00	
37. Photographic and blueprinting	500 00	
39. General plant	70,000 00	
C. EQUIPMENT		199,597 00
2. Machinery	\$8,105 00	
5. Motorless vehicles	292 00	
7. Furniture and fittings	9,500 00	
9. Office	2,200 00	
10. Library	175,000 00	
13. Tools and instruments	1,800 00	
17. General plant	2,700 00	
D. SUPPLIES		39,730 00
1. Office	\$10,000 00	
2. Food and ice	800 00	
3. Fuel	22,000 00	
4. Forage and animal	30 00	
5. Medical, surgical, laboratory	100 00	
8. Laundry, cleaning, toilet	2,500 00	
10. Agricultural	1,000 00	
13. Chemicals and disinfectants	300 00	
16. General plant	3,000 00	
E. MATERIALS		27,500 00
1. Building	\$9,500 00	
10. Electrical	4,000 00	
13. General plant	14,000 00	
F. SPECIAL ITEMS		864 00
7. Pensions and annuities	\$864 00	
		<u>\$1,262,504 00</u>

LICENSING BOARD.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$25,600 00
1.	Permanent employees	\$24,800 00	
2.	Temporary employees	800 00	
B.	SERVICE OTHER THAN PERSONAL		5,815 00
1.	Printing and binding	\$150 00	
8.	Light, heat and power	220 00	
10.	Rent, taxes and water	4,500 00	
13.	Communication	350 00	
18.	Cleaning	20 00	
35.	Fees, service of venires, etc.	500 00	
39.	General plant	75 00	
C.	EQUIPMENT		40 00
10.	Library	\$40 00	
D.	SUPPLIES		1,385 00
1.	Office	\$1,350 00	
2.	Food and ice	30 00	
8.	Laundry, cleaning, toilet	5 00	
			<u>\$32,840 00</u>

MARKET DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$15,447 67
1.	Permanent employees	\$15,427 67	
3.	Unassigned	20 00	
B.	SERVICE OTHER THAN PERSONAL		1,637 00
1.	Printing and binding	\$30 00	
8.	Light, heat and power	1,300 00	
13.	Communication	72 00	
18.	Cleaning	20 00	
19.	Removal of ashes, dirt and garbage	15 00	
29.	Stenographic, copying and indexing	25 00	
39.	General plant	175 00	
C.	EQUIPMENT		30 00
13.	Tools and instruments	\$30 00	
D.	SUPPLIES		250 00
1.	Office	\$75 00	
8.	Laundry, cleaning, toilet	130 00	
13.	Chemicals and disinfectants	10 00	
16.	General plant	35 00	
E.	MATERIALS		10 00
10.	Electrical	\$10 00	
			<u>\$17,374 67</u>

MAYOR, OFFICE EXPENSES.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$70,349 59
1.	Permanent employees	\$69,849 59	
2.	Temporary employees	500 00	

Mayor, Office Expenses.

B. SERVICE OTHER THAN PERSONAL		\$5,510 00
1. Printing and binding	\$300 00	
4. Transportation of persons	1,500 00	
12. Bond and insurance premiums	10 00	
13. Communication	1,500 00	
14. Motor vehicle repairs and care	1,800 00	
29. Stenographic, copying and indexing	300 00	
35. Fees, service of venires, etc.	25 00	
39. General plant	75 00	
C. EQUIPMENT		1,100 00
4. Motor vehicles	\$600 00	
9. Office	500 00	
D. SUPPLIES		5,000 00
1. Office	\$4,000 00	
11. Motor vehicle	1,000 00	
G. MISCELLANEOUS		15,000 00
3. Incidentals	\$15,000 00	
		<u>\$96,959 59</u>
Public Celebrations		<u>\$75,000 00</u>
Conventions and Entertainment of Distinguished Guests		<u>\$50,000 00</u>

PARK DEPARTMENT.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$1,296,426 10
1. Permanent employees	\$1,167,426 10	
2. Temporary employees	120,000 00	
3. Unassigned	9,000 00	
B. SERVICE OTHER THAN PERSONAL		242,015 00
1. Printing and binding	\$700 00	
3. Advertising and posting	200 00	
4. Transportation of persons	1,200 00	
5. Cartage and freight	350 00	
6. Hire of teams and auto trucks	34,000 00	
8. Light, heat and power	21,000 00	
10. Rent, taxes and water	8,300 00	
12. Bond and insurance premiums	790 00	
13. Communication	4,000 00	
14. Motor vehicle repairs and care	4,200 00	
15. Motorless vehicle repairs	500 00	
16. Care of animals	50 00	
18. Cleaning	75 00	
21. Removal of snow	1,500 00	
22. Medical	50 00	
28. Expert	2,000 00	
29. Stenographic, copying and indexing	100 00	
35. Fees, service of venires, etc.	200 00	
37. Photographic and blueprinting	800 00	
39. General plant	150,000 00	
42. Music, concerts, etc.	12,000 00	

Park Department.

C. EQUIPMENT		\$47,600 00
4. Motor vehicles	\$16,000 00	
5. Motorless vehicles	650 00	
6. Stable	500 00	
7. Furniture and fittings	6,000 00	
8. Educational and recreational	2,000 00	
9. Office	700 00	
10. Library	150 00	
13. Tools and instruments	9,000 00	
14. Live stock	1,200 00	
16. Wearing apparel	10,000 00	
17. General plant	1,400 00	
D. SUPPLIES		124,400 00
1. Office	\$4,800 00	
2. Food and ice	500 00	
3. Fuel	44,500 00	
4. Forage and animal	36,000 00	
5. Medical, surgical, laboratory	200 00	
8. Laundry, cleaning, toilet	7,500 00	
9. Educational and recreational	3,500 00	
10. Agricultural	16,000 00	
11. Motor vehicle	7,500 00	
13. Chemicals and disinfectants	1,700 00	
16. General plant	2,000 00	
17. Electrical	200 00	
E. MATERIALS		59,000 00
1. Building	\$8,500 00	
9. Machinery	900 00	
10. Electrical	600 00	
12. Parks and recreational	40,000 00	
13. General plant	9,000 00	
F. SPECIAL ITEMS		4,500 00
7. Pensions and annuities	\$3,600 00	
11. Workmen's compensation	900 00	
G. MISCELLANEOUS		71,500 00
3. Incidentals	\$1,500 00	
4. Boston Airport, maintenance	70,000 00	
		<u>\$1,845,441 10</u>
Reconstructing and Repairing Parkways and Roadways by Contract		<u>\$75,000 00</u>

Cemetery Division.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$136,372 01
1. Permanent employees	\$117,872 01	
2. Temporary employees	15,000 00	
3. Unassigned	3,500 00	
B. SERVICE OTHER THAN PERSONAL		21,825 00
3. Advertising and posting	\$25 00	
4. Transportation of persons	15 00	
6. Hire of teams and auto trucks	200 00	
8. Light, heat and power	250 00	
12. Bond and insurance premiums	25 00	
13. Communication	475 00	
14. Motor vehicle repairs and care	250 00	

Park Department (Cemetery Division).

16.	Care of animals	\$550 00	
18.	Cleaning	25 00	
22.	Medical	10 00	
39.	General plant	20,000 00	
C.	EQUIPMENT		\$5,425 00
4.	Motor vehicles	\$1,500 00	
5.	Motorless vehicles	1,000 00	
6.	Stable	200 00	
7.	Furniture and fittings	100 00	
13.	Tools and instruments	900 00	
16.	Wearing apparel	25 00	
17.	General plant	1,700 00	
D.	SUPPLIES		8,400 00
1.	Office	\$1,000 00	
2.	Food and ice	50 00	
3.	Fuel	1,500 00	
4.	Forage and animal	1,400 00	
5.	Medical, surgical, laboratory	10 00	
8.	Laundry, cleaning, toilet	15 00	
10.	Agricultural	4,000 00	
11.	Motor vehicle	300 00	
13.	Chemicals and disinfectants	50 00	
16.	General plant	75 00	
E.	MATERIALS		2,800 00
2.	Highway	\$1,800 00	
13.	General plant	1,000 00	
F.	SPECIAL ITEMS		200 00
11.	Workmen's compensation	\$200 00	
			<u>\$175,022 01</u>

POLICE DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$5,334,838 92
1.	Permanent employees	\$5,331,138 92	
2.	Temporary employees	3,000 00	
3.	Unassigned	700 00	
B.	SERVICE OTHER THAN PERSONAL		236,030 00
1.	Printing and binding	\$6,000 00	
3.	Advertising and posting	7,800 00	
4.	Transportation of persons	18,000 00	
5.	Cartage and freight	350 00	
8.	Light, heat and power	28,400 00	
10.	Rent, taxes and water	7,680 00	
12.	Bond and insurance premiums	700 00	
13.	Communication	31,000 00	
14.	Motor vehicle repairs and care	25,000 00	
15.	Motorless vehicle repairs	50 00	
16.	Care of animals	3,500 00	
18.	Cleaning	8,000 00	
19.	Removal of ashes, dirt and garbage	150 00	
22.	Medical	12,500 00	
28.	Expert	3,000 00	
29.	Stenographic, copying and index- ing	1,100 00	

Police Department.

35.	Fees, service of venires, etc.	\$2,000 00	
37.	Photographic and blueprinting	300 00	
39.	General plant	80,000 00	
42.	Music	500 00	
C.	EQUIPMENT		\$277,450 00
1.	Apparatus, cable, wire, etc.	\$25,000 00	
4.	Motor vehicles	50,000 00	
5.	Motorless vehicles	150 00	
6.	Stable	1,200 00	
7.	Furniture and fittings	5,500 00	
9.	Office	22,000 00	
12.	Medical, surgical, laboratory	200 00	
13.	Tools and instruments	2,000 00	
14.	Live stock	1,400 00	
16.	Wearing apparel	120,000 00	
17.	General plant	50,000 00	
D.	SUPPLIES		130,600 00
1.	Office	\$40,000 00	
2.	Food and ice	7,500 00	
3.	Fuel	38,000 00	
4.	Forage and animal	4,000 00	
5.	Medical, surgical, laboratory	200 00	
8.	Laundry, cleaning, toilet	3,500 00	
11.	Motor vehicle	23,000 00	
13.	Chemicals and disinfectants	900 00	
16.	General plant	10,500 00	
17.	Electrical	3,000 00	
F.	SPECIAL ITEMS		353,000 00
7.	Pensions and annuities	\$290,000 00	
14.	Listing	63,000 00	
			<u>\$6,331,819 92</u>

PUBLIC BUILDINGS DEPARTMENT:

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$304,219 17
1.	Permanent employees	\$302,969 17	
2.	Temporary employees	500 00	
3.	Unassigned	750 00	
B.	SERVICE OTHER THAN PERSONAL		199,486 00
1.	Printing and binding	\$10 00	
3.	Advertising and posting	100 00	
4.	Transportation of persons	250 00	
5.	Cartage and freight	100 00	
8.	Light, heat and power	21,000 00	
10.	Rent, taxes and water	17,770 00	
13.	Communication	19,500 00	
14.	Motor vehicle repairs and care	1,500 00	
18.	Cleaning	4,000 00	
35.	Fees, service of venires, etc.	256 00	
39.	General plant	135,000 00	
C.	EQUIPMENT		18,905 00
3.	Electrical	\$300 00	
4.	Motor vehicles	2,230 00	
7.	Furniture and fittings	15,000 00	

Public Buildings Department.

9.	Office	\$75 00	
13.	Tools and instruments	1,000 00	
16.	Wearing apparel	300 00	
D.	SUPPLIES		\$47,005 00
1.	Office	\$1,200 00	
2.	Food and ice	2,000 00	
3.	Fuel	40,000 00	
5.	Medical, surgical, laboratory	5 00	
8.	Laundry, cleaning, toilet	1,900 00	
11.	Motor vehicle	800 00	
13.	Chemicals and disinfectants	400 00	
16.	General plant	700 00	
E.	MATERIALS		3,925 00
1.	Building	\$2,300 00	
10.	Electrical	1,500 00	
13.	General plant	125 00	
F.	SPECIAL ITEMS		24,180 00
6.	Military	\$21,000 00	
7.	Pensions and annuities	2,980 00	
11.	Workmen's compensation	200 00	
			<u>\$597,720 17</u>

PUBLIC WELFARE DEPARTMENT.

Central Office.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$150,147 90
1.	Permanent employees	\$138,147 90	
2.	Temporary employees	12,000 00	
B.	SERVICE OTHER THAN PERSONAL		16,715 00
1.	Printing and binding	\$400 00	
4.	Transportation of persons	2,500 00	
8.	Light, heat and power	2,000 00	
10.	Rent, taxes and water	15 00	
12.	Bond and insurance premiums	500 00	
13.	Communication	2,000 00	
18.	Cleaning	3,200 00	
35.	Fees, service of venires, etc.	100 00	
39.	General plant	6,000 00	
C.	EQUIPMENT		4,500 00
7.	Furniture and fittings	\$2,000 00	
9.	Office	2,200 00	
10.	Library	100 00	
13.	Tools and instruments	200 00	
D.	SUPPLIES		9,596 00
1.	Office	\$6,000 00	
2.	Food and ice	96 00	
3.	Fuel	3,000 00	
5.	Medical, surgical, laboratory	50 00	
8.	Laundry, cleaning, toilet	250 00	
13.	Chemicals and disinfectants	100 00	
16.	General plant	100 00	

Public Welfare Department (Central Office).

F. SPECIAL ITEMS		\$4,001,750 00
7. Pensions and annuities	\$1,750 00	
9. Care of dependents	3,000,000 00*	
10. Mothers' aid	500,000 00*	
14. Old age assistance	500,000 00	
		<u>\$4,182,708 90*</u>

Temporary Home.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$5,750 00
1. Permanent employees	\$5,400 00	
2. Temporary employees	350 00	
B. SERVICE OTHER THAN PERSONAL		2,695 00
4. Transportation of persons	\$10 00	
8. Light, heat and power	1,800 00	
13. Communication	110 00	
18. Cleaning	200 00	
22. Medical	75 00	
39. General plant	500 00	
C. EQUIPMENT		825 00
7. Furniture and fittings	\$650 00	
13. Tools and instruments	50 00	
16. Wearing apparel	125 00	
D. SUPPLIES		4,830 00
1. Office	\$50 00	
2. Food and ice	4,500 00	
5. Medical, surgical, laboratory	50 00	
8. Laundry, cleaning, toilet	150 00	
13. Chemicals and disinfectants	30 00	
16. General plant	50 00	
		<u>\$14,100 00</u>

Wayfarers' Lodge.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$6,265 00
1. Permanent employees	\$6,265 00	
B. SERVICE OTHER THAN PERSONAL		4,753 00
8. Light, heat and power	\$1,400 00	
18. Cleaning	348 00	
35. Fees, services of venires, etc.	5 00	
39. General plant	3,000 00	
C. EQUIPMENT		1,925 00
7. Furniture and fittings	\$1,500 00	
13. Tools and instruments	125 00	
16. Wearing apparel	300 00	
D. SUPPLIES		10,335 00
1. Office	\$75 00	
2. Food and ice	8,500 00	
3. Fuel	1,200 00	
5. Medical, surgical, laboratory	25 00	
8. Laundry, cleaning, toilet	400 00	
13. Chemicals and disinfectants	100 00	
16. General plant	35 00	
		<u>\$23,278 00</u>

* \$2,000,000 and \$250,000 voted respectively for Care of Dependents and Mothers' Aid by City Council, March 9, 1931.

PUBLIC WORKS DEPARTMENT.

Central Office.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$84,991 64
1.	Permanent employees	\$84,991 64	
B.	SERVICE OTHER THAN PERSONAL		1,145 00
1.	Printing and binding	\$500 00	
4.	Transportation of persons	200 00	
12.	Bond and insurance premiums	10 00	
13.	Communication	50 00	
14.	Motor vehicle repairs and care	200 00	
35.	Fees, service of venires, etc.	10 00	
39.	General plant	175 00	
C.	EQUIPMENT		1,500 00
4.	Motor vehicles	\$1,500 00	
D.	SUPPLIES		3,175 00
1.	Office	\$2,600 00	
2.	Food and ice	300 00	
11.	Motor vehicle	275 00	
			<u>\$90,811 64</u>

Bridge Service.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$386,163 43
1.	Permanent employees	\$361,163 43	
2.	Temporary employees	16,000 00	
3.	Unassigned	9,000 00	
B.	SERVICE OTHER THAN PERSONAL		45,600 00
3.	Advertising and posting	\$25 00	
4.	Transportation of persons	650 00	
5.	Cartage and freight	10 00	
6.	Hire of teams and auto trucks	25 00	
8.	Light, heat and power	11,500 00	
10.	Rent, taxes and water	350 00	
13.	Communication	375 00	
14.	Motor vehicle repairs and care	2,600 00	
18.	Cleaning	15 00	
35.	Fees, service of venires, etc.	50 00	
39.	General plant	30,000 00	
C.	EQUIPMENT		7,950 00
4.	Motor vehicles	\$5,400 00	
7.	Furniture and fittings	300 00	
9.	Office	100 00	
13.	Tools and instruments	1,800 00	
16.	Wearing apparel	50 00	
17.	General plant	300 00	
D.	SUPPLIES		7,360 00
1.	Office	\$1,800 00	
2.	Food and ice	100 00	
3.	Fuel	2,600 00	
8.	Laundry, cleaning, toilet	150 00	
11.	Motor vehicle	1,500 00	
13.	Chemicals and disinfectants	10 00	
16.	General plant	1,200 00	
E.	MATERIALS		31,425 00
1.	Building	\$175 00	
3.	Bridges	29,800 00	

Public Works Department (Bridge Service) .

9.	Machinery	\$400 00	
10.	Electrical	1,000 00	
13.	General plant	50 00	
F.	SPECIAL ITEMS		\$4,900 00
7.	Pensions and annuities	\$4,600 00	
11.	Workmen's compensation	300 00	
			<u>\$483,398 43</u>

Bridges, Repairs, Etc. \$85,000 00

Ferry Service.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$399,945 00
1.	Permanent employees	\$369,945 00	
2.	Temporary employees	21,000 00	
3.	Unassigned	9,000 00	
B.	SERVICE OTHER THAN PERSONAL		73,761 00
1.	Printing and binding	\$400 00	
3.	Advertising and posting	200 00	
4.	Transportation of persons	150 00	
5.	Cartage and freight	275 00	
6.	Hire of teams and auto trucks	2,900 00	
8.	Light, heat and power	9,000 00	
10.	Rent, taxes and water	100 00	
12.	Bond and insurance premiums	175 00	
13.	Communication	325 00	
15.	Motorless vehicle repairs	150 00	
18.	Cleaning	36 00	
35.	Fees, service of venires, etc.	50 00	
39.	General plant	60,000 00	
C.	EQUIPMENT		3,700 00
7.	Furniture and fittings	\$400 00	
9.	Office	100 00	
11.	Marine	800 00	
13.	Tools and instruments	1,600 00	
16.	Wearing apparel	400 00	
17.	General plant	400 00	
D.	SUPPLIES		71,140 00
1.	Office	\$1,400 00	
2.	Food and ice	90 00	
3.	Fuel	65,000 00	
8.	Laundry, cleaning, toilet	200 00	
13.	Chemicals and disinfectants	350 00	
16.	General plant	4,100 00	
E.	MATERIALS		10,900 00
1.	Building	\$300 00	
4.	Ferries	9,500 00	
10.	Electrical	1,100 00	
F.	SPECIAL ITEMS		8,500 00
7.	Pensions and annuities	\$7,800 00	
11.	Workmen's compensation	700 00	
			<u>\$567,946 00</u>
			<u><u>\$20,000 00</u></u>

Ferry Improvements, Etc.

Public Works Department.

Lighting Service.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$6,200 00
1.	Permanent employees	\$6,200 00	
B.	SERVICE OTHER THAN PERSONAL		1,031,203 00
4.	Transportation of persons	\$50 00	
8.	Light, heat and power	1,025,000 00	
14.	Motor vehicle repairs and care	150 00	
35.	Fees, service of venires, etc.	3 00	
39.	General plant	6,000 00	
C.	EQUIPMENT		2,750 00
4.	Motor vehicles	\$750 00	
17.	General plant	2,000 00	
D.	SUPPLIES		325 00
1.	Office	\$225 00	
11.	Motor vehicle	100 00	
			<u>\$1,040,478 00</u>

Paving Service.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$1,220,407 45
1.	Permanent employees	\$1,180,407 45	
2.	Temporary employees	25,000 00	
3.	Unassigned	15,000 00	
B.	SERVICE OTHER THAN PERSONAL		83,100 00
3.	Advertising and posting	\$75 00	
4.	Transportation of persons	1,300 00	
5.	Cartage and freight	25 00	
6.	Hire of teams and auto trucks	7,000 00	
8.	Light, heat and power	2,500 00	
10.	Rent, taxes and water	5,375 00	
12.	Bond and insurance premiums	20 00	
13.	Communication	2,200 00	
14.	Motor vehicle repairs and care	24,000 00	
15.	Motorless vehicle repairs	700 00	
16.	Care of animals	3,500 00	
18.	Cleaning	180 00	
20.	Disposal of ashes, dirt and garbage,	350 00	
35.	Fees, service of venires, etc.	850 00	
37.	Photographic and blueprinting	25 00	
39.	General plant	25,000 00	
42.	Repairing streets, etc.	10,000 00	
C.	EQUIPMENT		84,275 00
2.	Machinery	\$10,000 00	
4.	Motor vehicles	61,500 00	
6.	Stable	200 00	
7.	Furniture and fittings	50 00	
9.	Office	200 00	
13.	Tools and instruments	12,000 00	
16.	Wearing apparel	25 00	
17.	General plant	300 00	
D.	SUPPLIES		52,750 00
1.	Office	\$7,300 00	
2.	Food and ice	200 00	
3.	Fuel	13,000 00	
4.	Forage and animal	11,000 00	
8.	Laundry, cleaning, toilet	100 00	

Public Works Department (Paving Service).

11.	Motor vehicle	\$16,000 00	
13.	Chemicals and disinfectants	150 00	
16.	General plant	5,000 00	
E.	MATERIALS		\$192,750 00
1.	Building	\$1,600 00	
2.	Highway	180,000 00	
10.	Electrical	150 00	
13.	General plant	11,000 00	
F.	SPECIAL ITEMS		16,500 00
7.	Pensions and annuities	\$12,500 00	
11.	Workmen's compensation	4,000 00	
			<u>\$1,649,782 45</u>
 Granolithic sidewalks			 <u>\$75,000 00</u>
 Street signs			 <u>\$15,000 00</u>
 Snow removal			 <u>\$150,000 00</u>

Sanitary Service.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$1,856,343 16
1.	Permanent employees	\$1,686,343 16	
2.	Temporary employees	100,000 00	
3.	Unassigned	70,000 00	
B.	SERVICE OTHER THAN PERSONAL		941,565 00
1.	Printing and binding	\$600 00	
3.	Advertising and posting	100 00	
4.	Transportation of persons	200 00	
5.	Cartage and freight	50 00	
6.	Hire of teams and auto trucks	5,000 00	
8.	Light, heat and power	4,500 00	
10.	Rent, taxes and water	2,100 00	
12.	Bond and insurance premiums	15 00	
13.	Communication	1,600 00	
14.	Motor vehicle repairs and care	100,000 00	
15.	Motorless vehicle repairs	20,000 00	
16.	Care of animals	5,000 00	
18.	Cleaning	300 00	
19.	Removal of ashes; dirt and garbage	392,100 00	
20.	Disposal of ashes, dirt and garbage	350,000 00	
35.	Fees, service of venires, etc.	1,000 00	
39.	General plant	59,000 00	
C.	EQUIPMENT		125,230 00
4.	Motor vehicles	\$100,000 00	
5.	Motorless vehicles	1,500 00	
6.	Stable	1,000 00	
7.	Furniture and fittings	500 00	
9.	Office	830 00	
13.	Tools and instruments	15,000 00	
14.	Live stock	1,750 00	
16.	Wearing apparel	150 00	
17.	General plant	4,500 00	

Public Works Department (Sanitary Service).

D.	SUPPLIES		\$110,100 00
1.	Office	\$4,200 00	
2.	Food and ice	150 00	
3.	Fuel	4,000 00	
4.	Forage and animal	50,000 00	
8.	Laundry, cleaning, toilet	150 00	
11.	Motor vehicle	50,000 00	
13.	Chemicals and disinfectants	300 00	
16.	General plant	1,300 00	
E.	MATERIALS		65,375 00
1.	Building	\$200 00	
2.	Highway	20,000 00	
10.	Electrical	175 00	
13.	General plant	45,000 00	
F.	SPECIAL ITEMS		22,000 00
7.	Pensions and annuities	\$10,000 00	
11.	Workmen's compensation	12,000 00	
			<u>\$3,120,613 16</u>

Sewer Service.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$463,853 97
1.	Permanent employees	\$431,853 97	
2.	Temporary employees	14,000 00	
3.	Unassigned	18,000 00	
B.	SERVICE OTHER THAN PERSONAL		171,915 00
1.	Printing and binding	\$50 00	
3.	Advertising and posting	50 00	
4.	Transportation of persons	1,350 00	
5.	Cartage and freight	15 00	
6.	Hire of teams and auto trucks	1,500 00	
8.	Light, heat and power	50,000 00	
10.	Rent, taxes and water	1,300 00	
13.	Communication	750 00	
14.	Motor vehicle repairs and care	13,000 00	
15.	Motorless vehicle repairs	100 00	
16.	Care of animals	400 00	
18.	Cleaning	71,000 00	
20.	Disposal of ashes, dirt and garbage	150 00	
35.	Fees, service of venires, etc.	250 00	
39.	General plant	30,000 00	
42.	Repairing streets, etc.	2,000 00	
C.	EQUIPMENT		22,450 00
4.	Motor vehicles	\$15,000 00	
6.	Stable	50 00	
9.	Office	100 00	
13.	Tools and instruments	2,800 00	
16.	Wearing apparel	1,000 00	
17.	General plant	3,500 00	
D.	SUPPLIES		47,010 00
1.	Office	\$2,400 00	
2.	Food and ice	200 00	
3.	Fuel	35,000 00	
4.	Forage and animal	1,200 00	
5.	Medical, surgical, laboratory	10 00	

Public Works Department (Sewer Service).

8.	Laundry, cleaning, toilet	\$250 00	
11.	Motor vehicle	4,500 00	
13.	Chemicals and disinfectants	250 00	
16.	General plant	3,200 00	
E.	MATERIALS		\$22,200 00
1.	Building	\$2,400 00	
5.	Sewer	11,000 00	
10.	Electrical	800 00	
13.	General plant	8,000 00	
F.	SPECIAL ITEMS		3,000 00
7.	Pensions and annuities	\$1,400 00	
11.	Workmen's compensation	1,600 00	
			<u>\$730,428 97</u>

REGISTRY DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$47,150 00
1.	Permanent employees	\$46,450 00	
2.	Temporary employees	700 00	
B.	SERVICE OTHER THAN PERSONAL		24,026 00
1.	Printing and binding	\$4,000 00	
3.	Advertising and posting	16 00	
4.	Transportation of persons	25 00	
12.	Bond and insurance premiums	10 00	
29.	Stenographic, copying and indexing	15,000 00	
35.	Fees, service of venires, etc.	4,900 00	
39.	General plant	75 00	
C.	EQUIPMENT		200 00
9.	Office	\$200 00	
D.	SUPPLIES		3,600 00
1.	Office	\$3,600 00	
			<u>\$74,976 00</u>

RESERVE FUND (for the payment of claims, executions of court, court fees, expert witnesses, legal and miscellaneous expenses, and for transfers)	<u>\$350,000 00</u>
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SINKING FUNDS DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$2,700 00
1.	Permanent employees	\$2,700 00	
D.	SUPPLIES		600 00
1.	Office	\$600 00	
			<u>\$3,300 00</u>

SOLDIERS' RELIEF DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$72,048 11
1.	Permanent employees	\$68,548 11	
2.	Temporary employees	3,500 00	

Soldiers' Relief Department.

B.	SERVICE OTHER THAN PERSONAL	.	.	.	.	.	\$3,264 00
	1.	Printing and binding	.	.	.	\$200 00	
	4.	Transportation of persons	.	.	.	2,700 00	
	12.	Bond and insurance premiums	.	.	.	204 00	
	13.	Communication	.	.	.	40 00	
	35.	Fees, service of venires, etc.	.	.	.	20 00	
	39.	General plant	.	.	.	100 00	
C.	EQUIPMENT	.	.	.	.	.	250 00
	9.	Office	.	.	.	\$250 00	
D.	SUPPLIES	.	.	.	.	.	2,000 00
	1.	Office	.	.	.	\$2,000 00	
F.	SPECIAL ITEMS	.	.	.	.	.	403,000 00
	7.	Pensions and annuities	.	.	.	\$3,000 00	
	8.	State and military aid, soldiers' relief and burials	.	.	.	400,000 00	
							<u>\$480,562 11</u>

STATISTICS DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	.	.	\$15,300 00
	1.	Permanent employees	.	.	.	\$15,300 00	
B.	SERVICE OTHER THAN PERSONAL	.	.	.	.	.	740 00
	1.	Printing and binding	.	.	.	\$700 00	
	39.	General plant	.	.	.	40 00	
C.	EQUIPMENT	.	.	.	.	.	150 00
	10.	Library	.	.	.	\$150 00	
D.	SUPPLIES	.	.	.	.	.	200 00
	1.	Office	.	.	.	\$200 00	
							<u>\$16,390 00</u>

STREET LAYING-OUT DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	.	.	\$187,251 08
	1.	Permanent employees	.	.	.	\$187,251 08	
B.	SERVICE OTHER THAN PERSONAL	.	.	.	.	.	8,412 00
	1.	Printing and binding	.	.	.	\$600 00	
	3.	Advertising and posting	.	.	.	800 00	
	4.	Transportation of persons	.	.	.	4,500 00	
	12.	Bond and insurance premiums	.	.	.	12 00	
	14.	Motor vehicle repairs and care	.	.	.	400 00	
	28.	Expert	.	.	.	300 00	
	35.	Fees, service of venires, etc.	.	.	.	1,200 00	
	37.	Photographic and blueprinting	.	.	.	100 00	
	39.	General plant	.	.	.	500 00	
C.	EQUIPMENT	.	.	.	.	.	1,325 00
	4.	Motor vehicles	.	.	.	200 00	
	9.	Office	.	.	.	300 00	
	10.	Library	.	.	.	500 00	
	13.	Tools and instruments	.	.	.	300 00	
	16.	Wearing apparel	.	.	.	25 00	

Street Laying-Out Department.

D. SUPPLIES		\$3,800 00
1. Office	\$3,300 00	
11. Motor vehicle	500 00	
E. MATERIALS		150 00
13. General plant	\$150 00	
		<u>\$200,938 08</u>

SUPPLY DEPARTMENT.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$37,000 00
1. Permanent employees	\$37,000 00	
B. SERVICE OTHER THAN PERSONAL		11,229 50
3. Advertising and posting	\$750 00	
4. Transportation of persons	100 00	
13. Communication	10 00	
14. Motor vehicle repairs and care	300 00	
28. Expert	10,000 00	
35. Fees, service of venires, etc.	4 50	
39. General plant	65 00	
C. EQUIPMENT		275 00
4. Motor vehicles	\$150 00	
9. Office	125 00	
D. SUPPLIES		4,300 00
1. Office	\$4,000 00	
11. Motor vehicle	300 00	
		<u>\$52,804 50</u>

TREASURY DEPARTMENT.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$55,326 93
1. Permanent employees	\$54,326 93	
2. Temporary employees	1,000 00	
B. SERVICE OTHER THAN PERSONAL		14,830 00
1. Printing and binding	\$75 00	
3. Advertising and posting	50 00	
4. Transportation of persons	7,500 00	
10. Rent, taxes and water	1,030 00	
12. Bond and insurance premiums	6,000 00	
39. General plant	175 00	
C. EQUIPMENT		1,300 00
9. Office	\$1,300 00	
D. SUPPLIES		5,900 00
1. Office	\$5,800 00	
2. Food and ice	100 00	
		<u>\$77,356 93</u>

WEIGHTS AND MEASURES DEPARTMENT.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$40,700 00
1. Permanent employees	\$40,700 00	

Weights and Measures Department.

B.	SERVICE OTHER THAN PERSONAL		\$3,077 00
1.	Printing and binding	\$24 00	
3.	Advertising and posting	13 00	
4.	Transportation of persons	125 00	
12.	Bond and insurance premiums	15 00	
14.	Motor vehicle repairs and care	2,800 00	
35.	Fees, service of venires, etc.	25 00	
39.	General plant	75 00	
C.	EQUIPMENT		1,900 00
4.	Motor vehicles	\$1,300 00	
13.	Tools and instruments	600 00	
D.	SUPPLIES		1,760 00
1.	Office	\$600 00	
11.	Motor vehicle	1,150 00	
16.	General plant	10 00	
			<u>\$47,437 00</u>

CITY DEBT REQUIREMENTS.

F.	SPECIAL ITEMS		<u>\$8,575,498 68</u>
3.	Sinking funds	\$191,022 00	
4.	Serial loans	4,543,472 12	
5.	Interest	3,841,004 56	

SUFFOLK COUNTY.

SUFFOLK COUNTY COURTHOUSE, CUSTODIAN.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$176,079 48
1.	Permanent employees	\$174,679 48	
2.	Temporary employees	1,300 00	
3.	Unassigned	100 00	
B.	SERVICE OTHER THAN PERSONAL		64,900 00
3.	Advertising and posting	\$50 00	
8.	Light, heat and power	12,900 00	
13.	Communication	1,400 00	
18.	Cleaning	4,900 00	
19.	Removal of ashes, dirt and garbage, ...	600 00	
35.	Fees, service of venires, etc.	50 00	
39.	General plant	45,000 00	
C.	EQUIPMENT		11,275 00
3.	Electrical	\$1,500 00	
7.	Furniture and fittings	8,500 00	
9.	Office	75 00	
13.	Tools and instruments	900 00	
16.	Wearing apparel	300 00	
D.	SUPPLIES		18,685 00
1.	Office	\$60 00	
2.	Food and ice	800 00	
3.	Fuel	15,000 00	
5.	Medical, surgical, laboratory	25 00	
8.	Laundry, cleaning, toilet	1,700 00	
13.	Chemicals and disinfectants	400 00	
16.	General plant	700 00	

Suffolk County Courthouse, Custodian.

E. MATERIALS		\$4,600 00
1. Building	\$2,200 00	
10. Electrical	2,200 00	
13. General plant	200 00	
F. SPECIAL ITEMS		1,356 33
7. Pensions and annuities	\$1,356 33	
		<u>\$276,895 81</u>

COUNTY BUILDINGS.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$76,481 00
1. Permanent employees	\$76,456 00	
3. Unassigned	25 00	
B. SERVICE OTHER THAN PERSONAL		29,225 00
5. Cartage and freight	\$50 00	
8. Light, heat and power	5,500 00	
10. Rent, taxes and water	1,800 00	
14. Motor vehicle repairs and care	450 00	
18. Cleaning	330 00	
35. Fees, service of venires, etc.	95 00	
39. General plant	21,000 00	
C. EQUIPMENT		6,825 00
3. Electrical	\$75 00	
4. Motor vehicles	150 00	
7. Furniture and fittings	6,000 00	
13. Tools and instruments	600 00	
D. SUPPLIES		4,650 00
1. Office	\$100 00	
3. Fuel	4,000 00	
8. Laundry, cleaning, toilet	150 00	
11. Motor vehicle	300 00	
13. Chemicals and disinfectants	50 00	
16. General plant	50 00	
E. MATERIALS		200 00
1. Building	\$100 00	
10. Electrical	100 00	
F. SPECIAL ITEMS		313 00
7. Pensions and annuities	\$313 00	
		<u>\$117,694 00</u>

JAIL.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$144,432 51
1. Permanent employees	\$144,432 51	
B. SERVICE OTHER THAN PERSONAL		25,119 00
4. Transportation of persons	\$15 00	
8. Light, heat and power	5,800 00	
12. Bond and insurance premiums	4 00	
13. Communication	900 00	
14. Motor vehicle repairs and care	250 00	
22. Medical	150 00	
35. Fees, service of venires, etc.	50 00	
37. Photographic and blueprinting	400 00	

Suffolk County Jail.

39.	General plant	\$17,500 00	
42.	Music, concerts, etc.	50 00	
C.	EQUIPMENT		\$7,945 00
4.	Motor vehicles	\$250 00	
7.	Furniture and fittings	2,500 00	
9.	Office	245 00	
12.	Medical, surgical, laboratory	50 00	
13.	Tools and instruments	1,600 00	
16.	Wearing apparel	3,300 00	
D.	SUPPLIES		63,450 00
1.	Office	\$1,200 00	
2.	Food and ice	47,000 00	
3.	Fuel	8,000 00	
5.	Medical, surgical, laboratory	2,000 00	
8.	Laundry, cleaning, toilet	2,300 00	
9.	Educational and recreational	25 00	
10.	Agricultural	75 00	
11.	Motor vehicle	650 00	
13.	Chemicals and disinfectants	800 00	
15.	Tobacco	1,000 00	
16.	General plant	400 00	
E.	MATERIALS		9,100 00
1.	Building	\$5,000 00	
10.	Electrical	1,300 00	
13.	General plant	2,800 00	
F.	SPECIAL ITEMS		6,342 08
7.	Pensions and annuities	\$5,242 08	
9.	Care of dependents	1,100 00	
			<u>\$256,388 59</u>

SUPREME JUDICIAL COURT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$47,580 00
1.	Permanent employees	\$47,580 00	
B.	SERVICE OTHER THAN PERSONAL		10,443 75
1.	Printing and binding	\$100 00	
5.	Cartage and freight	35 00	
12.	Bond and insurance premiums	48 75	
13.	Communication	225 00	
18.	Cleaning	10 00	
35.	Fees, service of venires, etc.	10,000 00	
39.	General plant	25 00	
C.	EQUIPMENT		650 00
10.	Library	\$50 00	
16.	Wearing apparel	600 00	
D.	SUPPLIES		1,100 00
1.	Office	\$1,100 00	
F.	SPECIAL ITEMS		1,300 00
7.	Pensions and annuities	\$1,300 00	
			<u>\$61,073 75</u>

SUPERIOR COURT, CIVIL SESSION, GENERAL EXPENSES.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$213,692 00
1.	Permanent employees	\$211,868 00	
2.	Temporary employees	1,824 00	
B.	SERVICE OTHER THAN PERSONAL		350,100 00
1.	Printing and binding	\$500 00	
12.	Bond and insurance premiums	210 00	
13.	Communication	350 00	
28.	Expert	15 00	
29.	Stenographic, copying and indexing,	4,000 00	
34.	Jurors	270,000 00	
35.	Fees, service of venires, etc.	75,000 00	
39.	General plant	25 00	
C.	EQUIPMENT		5,800 00
9.	Office	\$100 00	
10.	Library	1,200 00	
16.	Wearing apparel	4,500 00	
D.	SUPPLIES		5,300 00
1.	Office	\$800 00	
2.	Food and ice	4,500 00	
F.	SPECIAL ITEMS		7,910 00
7.	Pensions and annuities	\$7,910 00	
			<u>\$582,802 00</u>

SUPERIOR COURT, CIVIL SESSION, CLERK'S OFFICE.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$140,600 00
1.	Permanent employees	\$138,600 00	
2.	Temporary employees	2,000 00	
B.	SERVICE OTHER THAN PERSONAL		17,900 00
1.	Printing and binding	\$17,000 00	
13.	Communication	600 00	
39.	General plant	300 00	
C.	EQUIPMENT		1,100 00
9.	Office	\$1,000 00	
10.	Library	100 00	
D.	SUPPLIES		13,000 00
1.	Office	\$13,000 00	
F.	SPECIAL ITEMS		2,557 60
7.	Pensions and annuities	\$2,557 60	
			<u>\$175,157 60</u>

SUPERIOR COURT, CRIMINAL SESSION.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$225,600 83
1.	Permanent employees	\$209,600 83	
2.	Temporary employees	16,000 00	
B.	SERVICE OTHER THAN PERSONAL		218,825 00
1.	Printing and binding	\$1,600 00	
4.	Transportation of persons	25,000 00	
12.	Bond and insurance premiums	225 00	

Superior Court, Criminal Session.

13.	Communication	\$2,300 00	
28.	Expert	8,000 00	
29.	Stenographic, copying and indexing,	6,500 00	
34.	Jurors	115,000 00	
35.	Fees, service of venires, etc.	60,000 00	
37.	Photographic and blueprinting	100 00	
39.	General plant	100 00	
C.	EQUIPMENT		\$2,800 00
9.	Office	\$600 00	
10.	Library	400 00	
16.	Wearing apparel	1,800 00	
D.	SUPPLIES		14,500 00
1.	Office	\$7,500 00	
2.	Food and ice	7,000 00	
F.	SPECIAL ITEMS		8,062 00
7.	Pensions and annuities	\$8,062 00	
G.	MISCELLANEOUS		1,200 00
1.	Probation officers' expenses	\$1,200 00	
			<u>\$470,987 83</u>

PROBATE COURT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$8,124 00
1.	Permanent employees	\$8,124 00	
B.	SERVICE OTHER THAN PERSONAL		8,650 00
1.	Printing and binding	\$900 00	
13.	Communication	700 00	
29.	Stenographic, copying and indexing,	4,000 00	
35.	Fees, service of venires, etc.	3,000 00	
39.	General plant	50 00	
C.	EQUIPMENT		775 00
9.	Office	\$350 00	
10.	Library	225 00	
16.	Wearing apparel	200 00	
D.	SUPPLIES		7,500 00
1.	Office	\$7,500 00	
			<u>\$25,049 00</u>

MUNICIPAL COURT, CITY OF BOSTON.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$395,526 00
1.	Permanent employees	\$393,526 00	
2.	Temporary employees	2,000 00	
B.	SERVICE OTHER THAN PERSONAL		16,605 00
1.	Printing and binding	\$200 00	
4.	Transportation of persons	4,000 00	
5.	Cartage and freight	150 00	
12.	Bond and insurance premiums	175 00	
13.	Communication	2,300 00	
18.	Cleaning	30 00	
28.	Expert	100 00	
29.	Stenographic, copying and indexing,	1,000 00	

Municipal Court, City of Boston.

35.	Fees, service of venires, etc.	.	.	\$8,500 00	
39.	General plant	.	.	150 00	
C.	EQUIPMENT	.	.	.	\$3,300 00
9.	Office	.	.	\$1,300 00	
10.	Library	.	.	500 00	
16.	Wearing apparel	.	.	1,500 00	
D.	SUPPLIES	.	.	.	15,575 00
1.	Office	.	.	\$15,500 00	
5.	Medical, surgical, laboratory	.	.	75 00	
F.	SPECIAL ITEMS	.	.	.	3,800 00
7.	Pensions and annuities	.	.	\$2,800 00	
9.	Care of dependents	.	.	1,000 00	
G.	MISCELLANEOUS	.	.	.	3,500 00
1.	Probation officers' expenses	.	.	\$3,500 00	
					<u>\$438,306 00</u>

MUNICIPAL COURT, CHARLESTOWN DISTRICT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	\$29,289 35
1.	Permanent employees	.	.	\$25,264 58	
2.	Temporary employees	.	.	4,024 77	
B.	SERVICE OTHER THAN PERSONAL	.	.	.	2,057 50
4.	Transportation of persons	.	.	\$1,700 00	
12.	Bond and insurance premiums	.	.	42 50	
13.	Communication	.	.	260 00	
39.	General plant	.	.	55 00	
C.	EQUIPMENT	.	.	.	380 00
9.	Office	.	.	\$100 00	
10.	Library	.	.	130 00	
16.	Wearing apparel	.	.	150 00	
D.	SUPPLIES	.	.	.	1,550 00
1.	Office	.	.	\$1,500 00	
2.	Food and ice	.	.	50 00	
F.	SPECIAL ITEMS	.	.	.	1,000 00
7.	Pensions and annuities	.	.	\$1,000 00	
G.	MISCELLANEOUS	.	.	.	50 00
1.	Probation officers' expenses	.	.	\$50 00	
					<u>\$34,326 85</u>

EAST BOSTON DISTRICT COURT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	\$27,314 75
1.	Permanent employees	.	.	\$23,287 00	
2.	Temporary employees	.	.	3,727 75	
3.	Unassigned	.	.	300 00	
B.	SERVICE OTHER THAN PERSONAL	.	.	.	2,117 00
4.	Transportation of persons	.	.	\$1,600 00	
12.	Bond and insurance premiums	.	.	26 00	
13.	Communication	.	.	350 00	

East Boston District Court.

15.	Motorless vehicle repairs	\$100 00	
19.	Removal of ashes, dirt and garbage	41 00	
C.	EQUIPMENT		\$150 00
16.	Wearing apparel	\$150 00	
D.	SUPPLIES		1,828 00
1.	Office	\$1,800 00	
2.	Food and ice	28 00	
G.	MISCELLANEOUS		300 00
1.	Probation officers' expenses	\$300 00	
			<u>\$31,709 75</u>

MUNICIPAL COURT, SOUTH BOSTON DISTRICT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$24,428 45
1.	Permanent employees	\$22,606 25	
2.	Temporary employees	1,822 20	
B.	SERVICE OTHER THAN PERSONAL		1,571 50
1.	Printing and binding	\$50 00	
4.	Transportation of persons	1,200 00	
12.	Bond and insurance premiums	42 50	
13.	Communication	260 00	
22.	Medical	9 00	
39.	General plant	10 00	
C.	EQUIPMENT		160 00
10.	Library	\$10 00	
16.	Wearing apparel	150 00	
D.	SUPPLIES		600 00
1.	Office	\$600 00	
G.	MISCELLANEOUS		100 00
1.	Probation officers' expenses	\$100 00	
			<u>\$26,859 95</u>

MUNICIPAL COURT, DORCHESTER DISTRICT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$31,532 10
1.	Permanent employees	\$26,504 17	
2.	Temporary employees	5,027 93	
B.	SERVICE OTHER THAN PERSONAL		1,195 00
4.	Transportation of persons	\$850 00	
12.	Bond and insurance premiums	20 00	
13.	Communication	325 00	
C.	EQUIPMENT		153 03
9.	Office	\$53 03	
10.	Library	25 00	
16.	Wearing apparel	75 00	
D.	SUPPLIES		1,800 00
1.	Office	\$1,800 00	

Municipal Court, Dorchester District.

F. SPECIAL ITEMS	\$3,162 50
7. Pensions and annuities	\$3,162 50
G. MISCELLANEOUS	300 00
1. Probation officers' expenses	\$300 00
	<u>\$38,142 63</u>

MUNICIPAL COURT, ROXBURY DISTRICT.

A. PERSONAL SERVICE AS PER SCHEDULE A	\$82,126 17
1. Permanent employees	\$64,541 67
2. Temporary employees	17,584 50
B. SERVICE OTHER THAN PERSONAL	5,105 00
4. Transportation of persons	\$4,200 00
12. Bond and insurance premiums	80 00
13. Communication	800 00
39. General plant	25 00
C. EQUIPMENT	775 00
9. Office	\$375 00
10. Library	100 00
16. Wearing apparel	300 00
D. SUPPLIES	3,065 00
1. Office	\$3,000 00
2. Food and ice	65 00
F. SPECIAL ITEMS	3,000 00
7. Pensions and annuities	\$3,000 00
G. MISCELLANEOUS	1,200 00
1. Probation officers' expenses	\$1,200 00
	<u>\$95,271 17</u>

MUNICIPAL COURT, WEST ROXBURY DISTRICT.

A. PERSONAL SERVICE AS PER SCHEDULE A	\$30,716 80
1. Permanent employees	\$24,444 50
2. Temporary employees	6,272 30
B. SERVICE OTHER THAN PERSONAL	2,130 00
4. Transportation of persons	\$1,800 00
12. Bond and insurance premiums	30 00
13. Communication	300 00
C. EQUIPMENT	250 00
9. Office	\$100 00
16. Wearing apparel	150 00
D. SUPPLIES	1,100 00
1. Office	\$1,100 00
F. SPECIAL ITEMS	1,250 00
7. Pensions and annuities	\$1,250 00
G. MISCELLANEOUS	250 00
1. Probation officers' expenses	\$250 00
	<u>\$35,696 80</u>

MUNICIPAL COURT, BRIGHTON DISTRICT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$16,725 50
1.	Permanent employees	\$14,125 00	
2.	Temporary employees	2,600 50	
B.	SERVICE OTHER THAN PERSONAL		1,187 50
4.	Transportation of persons	\$900 00	
12.	Bond and insurance premiums	12 50	
13.	Communication	275 00	
C.	EQUIPMENT		275 00
10.	Library	\$200 00	
16.	Wearing apparel	75 00	
D.	SUPPLIES		1,150 00
1.	Office	\$1,100 00	
2.	Food and ice	50 00	
G.	MISCELLANEOUS		275 00
1.	Probation officers' expenses	\$275 00	
			<u>\$19,613 00</u>

BOSTON JUVENILE COURT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$25,439 01
1.	Permanent employees	\$23,413 31	
2.	Temporary employees	2,025 70	
B.	SERVICE OTHER THAN PERSONAL		2,500 00
4.	Transportation of persons	\$500 00	
12.	Bond and insurance premiums	25 00	
13.	Communication	500 00	
17.	Care of persons	800 00	
22.	Medical	225 00	
28.	Expert	200 00	
35.	Fees, service of venires, etc.	250 00	
C.	EQUIPMENT		200 00
9.	Office	\$125 00	
10.	Library	75 00	
D.	SUPPLIES		750 00
1.	Office	\$750 00	
G.	MISCELLANEOUS		700 00
1.	Probation officers' expenses	\$700 00	
			<u>\$29,589 01</u>

DISTRICT COURT OF CHELSEA.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$32,121 40
1.	Permanent employees	\$24,587 50	
2.	Temporary employees	7,533 90	
B.	SERVICE OTHER THAN PERSONAL		7,440 00
4.	Transportation of persons	\$500 00	
8.	Light, heat and power	325 00	
12.	Bond and insurance premiums	15 00	
13.	Communication	300 00	
18.	Cleaning	200 00	

District Court of Chelsea.

28.	Expert	\$3,000 00	
29.	Stenographic, copying and indexing, ...	75 00	
35.	Fees, service of venires, etc.	3,000 00	
39.	General plant	25 00	
C.	EQUIPMENT		\$350 00
7.	Furniture and fittings	\$300 00	
10.	Library	50 00	
D.	SUPPLIES		1,600 00
1.	Office	\$1,500 00	
2.	Food and ice	100 00	
G.	MISCELLANEOUS		300 00
1.	Probation officers' expenses	\$300 00	
			<u>\$41,811 40</u>

REGISTRY OF DEEDS.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$184,705 92
1.	Permanent employees	\$164,705 92	
2.	Temporary employees	13,000 00	
3.	Unassigned	7,000 00	
B.	SERVICE OTHER THAN PERSONAL		2,769 00
1.	Printing and binding	\$2,000 00	
12.	Bond and insurance premiums	94 00	
13.	Communication	375 00	
39.	General plant	300 00	
C.	EQUIPMENT		300 00
9.	Office	\$300 00	
D.	SUPPLIES		4,500 00
1.	Office	\$4,500 00	
			<u>\$192,274 92</u>

INDEX COMMISSIONERS.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$24,188 85
1.	Permanent employees	\$21,963 85	
2.	Temporary employees	225 00	
3.	Unassigned	2,000 00	
B.	SERVICE OTHER THAN PERSONAL		248 00
1.	Printing and binding	\$248 00	
D.	SUPPLIES		1,600 00
1.	Office	\$1,600 00	
			<u>\$26,036 85</u>

INSANITY CASES.

B.	SERVICE OTHER THAN PERSONAL		\$33,070 00
13.	Communication	\$70 00	
35.	Fees, service of venires, etc.	33,000 00	
D.	SUPPLIES		50 00
1.	Office	\$50 00	
			<u>\$33,120 00</u>

LAND COURT.

B.	SERVICE OTHER THAN PERSONAL		\$885 00
1.	Printing and binding	\$50 00	
13.	Communication	500 00	
29.	Stenographic, copying and indexing,	50 00	
35.	Fees, service of venires, etc.	250 00	
39.	General plant	35 00	
C.	EQUIPMENT		325 00
9.	Office	\$250 00	
10.	Library	75 00	
D.	SUPPLIES		5,800 00
1.	Office	\$5,800 00	
			<u>\$7,010 00</u>

MEDICAL EXAMINER SERVICE, NORTHERN DIVISION.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$21,680 00
1.	Permanent employees	\$19,450 00	
2.	Temporary employees	1,750 00	
3.	Unassigned	480 00	
B.	SERVICE OTHER THAN PERSONAL		3,350 00
4.	Transportation of persons	\$1,650 00	
13.	Communication	475 00	
14.	Motor vehicle repairs and care	225 00	
18.	Cleaning	275 00	
28.	Expert	600 00	
37.	Photographic and blueprinting	25 00	
39.	General plant	100 00	
C.	EQUIPMENT		550 00
4.	Motor vehicles	\$75 00	
9.	Office	150 00	
12.	Medical, surgical, laboratory	200 00	
13.	Tools and instruments	25 00	
16.	Wearing apparel	100 00	
D.	SUPPLIES		810 00
1.	Office	\$400 00	
5.	Medical, surgical, laboratory	150 00	
8.	Laundry, cleaning, toilet	75 00	
11.	Motor vehicle	75 00	
13.	Chemicals and disinfectants	100 00	
16.	General plant	10 00	
E.	MATERIALS		30 00
10.	Electrical	\$5 00	
13.	General plant	25 00	
			<u>\$26,420 00</u>

MEDICAL EXAMINER SERVICE, SOUTHERN DIVISION.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$12,150 00
1.	Permanent employees	\$12,150 00	
B.	SERVICE OTHER THAN PERSONAL		2,980 00
4.	Transportation of persons	\$5 00	
5.	Cartage and freight	825 00	
13.	Communication	325 00	

Medical Examiner Service, Southern Division.

14.	Motor vehicle repairs and care	\$275 00	
28.	Expert	100 00	
35.	Fees, service of venires, etc.	1,200 00	
37.	Photographic and blueprinting	150 00	
39.	General plant	100 00	
C.	EQUIPMENT		\$1,000 00
4.	Motor vehicles	\$700 00	
9.	Office	100 00	
12.	Medical, surgical, laboratory	150 00	
13.	Tools and instruments	50 00	
D.	SUPPLIES		850 00
1.	Office	\$225 00	
5.	Medical, surgical, laboratory	375 00	
11.	Motor vehicle	250 00	
			<u>\$16,980 00</u>

**ASSOCIATE MEDICAL EXAMINER SERVICE,
NORTHERN DIVISION.**

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$1,330 00
1.	Permanent employees	\$1,000 00	
2.	Temporary employees	330 00	
B.	SERVICE OTHER THAN PERSONAL		940 00
4.	Transportation of persons	\$300 00	
5.	Cartage and freight	100 00	
13.	Communication	40 00	
28.	Expert	350 00	
35.	Fees, service of venires, etc.	125 00	
37.	Photographic and blueprinting	25 00	
D.	SUPPLIES		65 00
1.	Office	\$55 00	
5.	Medical, surgical, laboratory	10 00	
			<u>\$2,335 00</u>

**ASSOCIATE MEDICAL EXAMINER SERVICE,
SOUTHERN DIVISION.**

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$1,300 00
1.	Permanent employees	\$1,000 00	
2.	Temporary employees	300 00	
B.	SERVICE OTHER THAN PERSONAL		525 00
4.	Transportation of persons	\$300 00	
5.	Cartage and freight	50 00	
13.	Communication	40 00	
28.	Expert	50 00	
35.	Fees, service of venires, etc.	75 00	
37.	Photographic and blueprinting	10 00	
D.	SUPPLIES		30 00
1.	Office	\$25 00	
5.	Medical, surgical, laboratory	5 00	
			<u>\$1,855 00</u>

MISCELLANEOUS EXPENSES, AUDITING DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	\$880 00
1.	Permanent employees	.	.	.	\$880 00
D.	SUPPLIES	.	.	.	75 00
1.	Office	.	.	.	\$75 00
					<u>\$955 00</u>

MISCELLANEOUS EXPENSES, BUDGET DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	\$963 31
1.	Permanent employees	.	.	.	\$713 31
2.	Temporary employees	.	.	.	250 00
D.	SUPPLIES	.	.	.	200 00
1.	Office	.	.	.	\$200 00
					<u>\$1,163 31</u>

MISCELLANEOUS EXPENSES, COLLECTING DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	\$1,400 00
1.	Permanent employees	.	.	.	\$1,400 00
					<u>\$1,400 00</u>

MISCELLANEOUS EXPENSES, SHERIFF.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	\$3,000 00
1.	Permanent employees	.	.	.	\$3,000 00
B.	SERVICE OTHER THAN PERSONAL	.	.	.	200 00
12.	Bond and insurance premiums	.	.	.	\$200 00
					<u>\$3,200 00</u>

MISCELLANEOUS EXPENSES, TREASURY DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	\$5,690 00
1.	Permanent employees	.	.	.	\$5,690 00
D.	SUPPLIES	.	.	.	50 00
1.	Office	.	.	.	\$50 00
					<u>\$5,740 00</u>

GRANITE AVENUE BRIDGE.

A.	PERSONAL SERVICE AS PER SCHEDULE A	.	.	.	\$2,696 70
1.	Permanent employees	.	.	.	\$2,550 00
2.	Temporary employees	.	.	.	146 70
B.	SERVICE OTHER THAN PERSONAL	.	.	.	5,015 00
8.	Light, heat and power	.	.	.	\$15 00
39.	General plant	.	.	.	5,000 00
C.	EQUIPMENT	.	.	.	10 00
17.	General plant	.	.	.	\$10 00
D.	SUPPLIES	.	.	.	60 00
1.	Office	.	.	.	\$15 00
3.	Fuel	.	.	.	40 00
16.	General plant	.	.	.	5 00

Granite Avenue Bridge.

E. MATERIALS	\$100 00	\$100 00
3. Bridges	\$100 00	
		<u>\$7,881 70</u>
SOCIAL LAW LIBRARY		<u>\$1,000 00</u>

PENAL INSTITUTIONS DEPARTMENT.**Office Expenses.**

A. PERSONAL SERVICE AS PER SCHEDULE A		\$35,700 00
1. Permanent employees	\$35,700 00	
B. SERVICE OTHER THAN PERSONAL		1,109 50
4. Transportation of persons	\$250 00	
12. Bond and insurance premiums	5 00	
13. Communication	300 00	
14. Motor vehicle repairs and care	350 00	
29. Stenographic, copying and indexing, ...	100 00	
35. Fees, service of venires, etc.	4 50	
39. General plant	100 00	
C. EQUIPMENT		2,750 00
4. Motor vehicles	\$2,700 00	
9. Office	50 00	
D. SUPPLIES		1,000 00
1. Office	\$500 00	
11. Motor vehicle	500 00	
		<u>\$40,559 50</u>

House of Correction.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$182,877 30
1. Permanent employees	\$179,877 30	
2. Temporary employees	2,000 00	
3. Unassigned	1,000 00	
B. SERVICE OTHER THAN PERSONAL		34,425 00
4. Transportation of persons	\$400 00	
5. Cartage and freight	75 00	
10. Rent, taxes and water	100 00	
12. Bond and insurance premiums	10 00	
13. Communication	600 00	
16. Care of animals	50 00	
22. Medical	15 00	
35. Fees, service of venires, etc.	75 00	
37. Photographic and blueprinting	2,500 00	
39. General plant	30,000 00	
42. Educational and recreational	600 00	
C. EQUIPMENT		45,675 00
2. Machinery	\$300 00	
3. Electrical	1,600 00	
4. Motor vehicles	2,000 00	
6. Stable	150 00	
7. Furniture and fittings	10,000 00	
8. Educational and recreational	75 00	
9. Office	300 00	
11. Marine	1,500 00	

Penal Institutions Department (House of Correction).

12.	Medical, surgical, laboratory	\$150 00	
13.	Tools and instruments	3,500 00	
14.	Live stock	100 00	
16.	Wearing apparel	26,000 00	
D.	SUPPLIES		\$169,300 00
1.	Office	\$1,800 00	
2.	Food and ice	118,000 00	
3.	Fuel	30,000 00	
4.	Forage and animal	7,000 00	
5.	Medical, surgical, laboratory	700 00	
8.	Laundry, cleaning, toilet	2,200 00	
9.	Educational and recreational	500 00	
10.	Agricultural	900 00	
11.	Motor vehicle	1,000 00	
13.	Chemicals and disinfectants	1,000 00	
15.	Tobacco	3,500 00	
16.	General plant	2,700 00	
E.	MATERIALS		21,500 00
1.	Building	\$15,000 00	
10.	Electrical	2,700 00	
13.	General plant	3,800 00	
F.	SPECIAL ITEMS		43,500 00
7.	Pensions and annuities	\$7,500 00	
9.	Care of dependents	35,000 00	
14.	Gratuities	1,000 00	
			<u>\$497,277 30</u>

Steamer "Michael J. Perkins."

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$39,742 67
1.	Permanent employees	\$37,142 67	
2.	Temporary employees	2,000 00	
3.	Unassigned	600 00	
B.	SERVICE OTHER THAN PERSONAL		24,000 00
10.	Rent, taxes and water	\$4,000 00	
39.	General plant	20,000 00	
C.	EQUIPMENT		1,300 00
11.	Marine	\$1,300 00	
D.	SUPPLIES		8,100 00
3.	Fuel	\$7,500 00	
14.	Marine	600 00	
E.	MATERIALS		600 00
11.	Marine	\$600 00	
			<u>\$73,742 67</u>

COUNTY DEBT REQUIREMENTS.

F.	SPECIAL ITEMS		\$164,843 75
3.	Sinking funds	\$7,904 00	
4.	Serial loans	86,961 00	
5.	Interest	69,978 75	

PRINTING DEPARTMENT.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$273,170 24
1.	Permanent employees	\$264,170 24	
2.	Temporary employees	5,000 00	
3.	Unassigned	4,000 00	
B.	SERVICE OTHER THAN PERSONAL		89,245 00
1.	Printing and binding	\$64,000 00	
4.	Transportation of persons	30 00	
5.	Cartage and freight	100 00	
8.	Light, heat and power	4,000 00	
10.	Rent, taxes and water	14,500 00	
12.	Bond and insurance premiums	2,600 00	
13.	Communication	600 00	
14.	Motor vehicle repairs and care	350 00	
18.	Cleaning	1,000 00	
28.	Expert	250 00	
35.	Fees, service of venires, etc.	15 00	
39.	General plant	1,800 00	
C.	EQUIPMENT		9,175 00
2.	Machinery	\$5,000 00	
3.	Electrical	350 00	
4.	Motor vehicles	150 00	
7.	Furniture and fittings	200 00	
9.	Office	150 00	
13.	Tools and instruments	25 00	
17.	General plant	3,300 00	
D.	SUPPLIES		2,750 00
1.	Office	\$20 00	
2.	Food and ice	30 00	
5.	Medical, surgical, laboratory	25 00	
8.	Laundry, cleaning, toilet	350 00	
11.	Motor vehicle	150 00	
13.	Chemicals and disinfectants	75 00	
16.	General plant	2,100 00	
E.	MATERIALS		67,520 00
9.	Machinery	\$2,500 00	
10.	Electrical	20 00	
13.	General plant	65,000 00	
F.	SPECIAL ITEMS		1,230 30
7.	Pensions and annuities	\$1,030 30	
11.	Workmen's compensation	200 00	
G.	MISCELLANEOUS		85,000 00
3.	Stationery	\$40,000 00	
4.	Postage	45,000 00	
			<u>\$528,090 54</u>

CITY RECORD, PUBLICATION OF.

A.	PERSONAL SERVICE AS PER SCHEDULE A		\$5,800 00
1.	Permanent employees	\$5,800 00	
B.	SERVICE OTHER THAN PERSONAL		31,210 00
1.	Printing and binding	\$30,000 00	
39.	General plant	10 00	
42.	Distribution of publications	1,200 00	

City Record, Publication of.

D. SUPPLIES		\$75 00
1. Office	\$75 00	
		<u>\$37,085 00</u>

PUBLIC WORKS DEPARTMENT.

Water Service.

A. PERSONAL SERVICE AS PER SCHEDULE A		\$1,079,114 18
1. Permanent employees	\$1,019,114 18	
2. Temporary employees	40,000 00	
3. Unassigned	20,000 00	
B. SERVICE OTHER THAN PERSONAL		277,900 00
1. Printing and binding	\$200 00	
3. Advertising and posting	200 00	
4. Transportation of persons	8,500 00	
5. Cartage and freight	50 00	
6. Hire of teams and auto trucks	50 00	
8. Light, heat and power	5,400 00	
10. Rent, taxes and water	1,050 00	
12. Bond and insurance premiums	640 00	
13. Communication	2,100 00	
14. Motor vehicle repairs and care	17,000 00	
15. Motorless vehicle repairs	50 00	
16. Care of animals	400 00	
18. Cleaning	60 00	
20. Disposal of ashes, dirt and garbage,	125 00	
28. Expert	700 00	
35. Fees, service of venires, etc.	1,300 00	
37. Photographic and blueprinting	75 00	
39. General plant	180,000 00	
42. Repairing streets, etc.	60,000 00	
C. EQUIPMENT		88,650 00
3. Electrical	\$50 00	
4. Motor vehicles	37,000 00	
6. Stable	150 00	
7. Furniture and fittings	3,500 00	
9. Office	600 00	
13. Tools and instruments	46,500 00	
14. Live stock	350 00	
16. Wearing apparel	400 00	
17. General plant	100 00	
D. SUPPLIES		27,525 00
1. Office	\$10,000 00	
2. Food and ice	75 00	
3. Fuel	1,400 00	
4. Forage and animal	2,300 00	
8. Laundry, cleaning, toilet	150 00	
11. Motor vehicle	9,000 00	
13. Chemicals and disinfectants	100 00	
16. General plant	4,500 00	
E. MATERIALS		244,000 00
1. Building	\$300 00	
6. Water	240,000 00	
10. Electrical	700 00	
13. General plant	3,000 00	

Public Works Department (Water Service).

F. SPECIAL ITEMS		\$20,000 00
2. Damages	\$7,000 00	
7. Pensions and annuities	12,000 00	
11. Workmen's compensation	1,000 00	
		<u>\$1,737,189 18</u>

High Pressure Fire Service, Extension of \$250,000 00

COLLECTING DEPARTMENT.**Water Division.**

A. PERSONAL SERVICE AS PER SCHEDULE A		\$63,867 48
1. Permanent employees	\$62,367 48	
2. Temporary employees	1,000 00	
3. Unassigned	500 00	
		<u>1,067 00</u>
B. SERVICE OTHER THAN PERSONAL		1,067 00
12. Bond and insurance premiums	\$542 00	
35. Fees, service of venires, etc.	25 00	
39. General plant	500 00	
		<u>3,855 00</u>
C. EQUIPMENT		3,855 00
9. Office	\$3,855 00	
		<u>12,050 00</u>
D. SUPPLIES		12,050 00
1. Office	\$12,000 00	
2. Food and ice	50 00	
		<u>900 00</u>
F. SPECIAL ITEMS		900 00
7. Pensions and annuities	\$900 00	
		<u>\$81,739 48</u>

WATER SERVICE, DEBT REQUIREMENTS.

F. SPECIAL ITEMS		\$70,165 00
4. Serial loans	\$50,000 00	
5. Interest	20,165 00	
		<u>\$70,165 00</u>

SCHEDULE A.

CITY OF BOSTON.

ART DEPARTMENT.

Clerk, 1 at \$500 per year	<u>\$500 00</u>
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ASSESSING DEPARTMENT.

Assessor, chairman, 1 at \$7,500 per year	\$7,500 00
Assessors, 2 at \$5,000 per year	10,000 00
Assessors, deputy, 5 at \$4,500 per year	21,750 00
Assessors, first assistant, 47 at \$1,700 per year	79,500 00
Assessors, second assistant, 23 at \$5 per day	35,750 00
Case worker, 1 at \$2,100 per year	2,100 00
Chief clerk, 1 at \$3,900 per year	3,900 00
Chief clerk, assistant, 1 at \$3,200 per year	3,200 00
Chief, personal property division, 1 at \$4,000 per year	4,000 00
Civil engineer, 1 at \$3,000 per year	3,000 00
Clerks, executive, 2 at \$3,000 per year	6,000 00
Clerk, executive, 1 at \$2,800 per year	2,800 00
Clerk, 1 at \$2,800 per year	2,800 00
Clerk, 1 at \$2,700 per year	2,700 00
Clerk, executive, 1 at \$2,500 per year	2,500 00
Clerks, 4 at \$2,500 per year	10,000 00
Clerks, 6 at \$2,400 per year	14,400 00
Clerks, 2 at \$2,200 per year	4,400 00
Clerks, 8 at \$2,100 per year	16,800 00
Clerk and stenographer, 1 at \$2,000 per year	2,000 00
Clerks, 4 at \$2,000 per year	8,000 00
Clerks, 5 at \$1,900 per year	9,500 00
Clerk, 1 at \$1,800 per year	1,800 00
Clerks, 3 at \$1,700 per year	5,100 00
Clerks, 4 at \$1,600 per year	4,800 00
Clerks and stenographers, 3 at \$1,500 per year	4,500 00
Clerk, 1 at \$1,400 per year	1,400 00
Clerks, 2 at \$1,200 per year	2,400 00
Clerk, 1 at \$1,100 per year	1,100 00
Conveyancer, 1 at \$2,000 per year	2,000 00
Conveyancer, 1 at \$1,500 per year	1,500 00
Corporation examiner, 1 at \$2,000 per year	2,000 00
Draughtsman, 1 at \$1,900 per year	1,900 00
Messenger and chauffeur, 1 at \$1,700 per year	1,700 00
Secretary, assistant, 1 at \$3,000 per year	3,000 00

\$285,800 00

TEMPORARY	<u>\$15,000 00</u>
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UNASSIGNED	<u>\$8,000 00</u>
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AUDITING DEPARTMENT.

City auditor, 1 at \$7,000 per year	\$7,000 00
Assistant city auditor, 1 at \$4,200 per year	4,200 00
Clerk, 1 at \$3,600 per year	3,600 00
Clerks, 2 at \$3,100 per year	6,200 00
Clerks, 2 at \$3,000 per year	6,000 00
Clerks, 2 at \$2,900 per year	5,800 00
Clerk, 1 at \$2,700 per year	2,700 00
Clerk, 1 at \$2,600 per year	2,600 00
Clerks, 5 at \$2,500 per year	12,500 00
Clerks, 4 at \$2,300 per year	9,200 00
Clerk, 1 at \$2,200 per year	2,200 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerks, 2 at \$1,900 per year	3,391 36
Clerk, 1 at \$1,700 per year	1,700 00
Clerk, 1 at \$1,600 per year	1,600 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerk, 1 at \$1,400 per year	832 35
	<u>\$73,123 71</u>

TEMPORARY	<u>\$500 00</u>
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BOSTON PORT AUTHORITY.

Executive secretary, 1 at \$3,000 per year	\$3,000 00
Clerk and stenographer, 1 at \$1,976 per year	1,976 00
Clerk and stenographer, 1 at \$1,560 per year	1,560 00
Marine supervisor, 1 at \$3,000 per year	3,000 00
Traffic supervisor, 1 at \$3,500 per year	2,041 67
	<u>\$11,577 67</u>

BOSTON RETIREMENT BOARD.

Members of Board, 3 at \$10 per meeting	\$1,500 00
Executive officer, 1 at \$3,500 per year	3,500 00
Chief clerk, 1 at \$2,500 per year	2,500 00
Clerk-stenographer, 1 at \$1,800 per year	1,800 00
Clerks-stenographers, 2 at \$1,600 per year	3,200 00
Clerk-stenographer, 1 at \$1,500 per year	1,500 00
Clerk-stenographer, 1 \$1,300 per year	1,300 00
Clerk-stenographer, 1 at \$1,200 per year	1,200 00
Clerks, 2 at \$1,200 per year	2,400 00
Clerk, 1 at \$1,100 per year	1,100 00
Clerks (part time), 2 at \$400 per year	800 00
Messenger, 1 at \$720 per year	428 11
	<u>\$21,228 11</u>

TEMPORARY	<u>\$138 10</u>
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BOSTON TRAFFIC COMMISSION.

Commissioner, 1 at \$7,500 per year	\$7,500 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerk and stenographer, 1 at \$1,700 per year	1,700 00
Clerk, 1 at \$1,600 per year	1,600 00
Draughtsman, designing, 1 (0) at \$2,200 per year	892 02
Engineer, traffic, 1 at \$4,000 per year	4,000 00

Boston Traffic Commission.

Engineers, assistant traffic, 2 at \$3,000 per year	\$6,000 00
Engineer, signal (engineer, electrical), 1 at \$3,500 (\$2,500) per year	1,486 45
Foreman, signal, 1 at \$2,400 per year	2,255 47
Foremen, 3 at \$2,200 per year	6,600 00
Foreman, sub, 1 at \$1,900 per year	1,900 00
Inspectors, 3 at \$2,000 per year	6,000 00
Investigators, 13 (15) at \$1,500 to \$1,800 per year	22,691 87
Laborer-chauffeur, 1 at \$5.50 per day	1,721 50
Laborer, 1 at \$1,600 per year	1,600 00
Laborers, 3 at \$5.00 per day	4,695 00
Lineman, 1 (0) at \$2,200 per year	132 60
Mechanic, automobile, 1 at \$1,900 per year	1,900 00
Painters, sign writers, etc., 11 at \$1,900 per year	20,834 00
Signal maintenance men, 6 at \$2,000 per year	12,000 00
Stenographer-secretary, 1 at \$2,000 per year	2,000 00
Stenographer, 1 at \$1,700 per year	1,700 00
Stenographers, 3 at \$1,600 per year	4,800 00
Stenographer, 1 at \$1,200 per year	1,080 00
Switchboard operator, 1 at \$1,400 per year	1,400 00

\$118,588 91

TEMPORARY \$15,000 00

UNASSIGNED \$500 00

BUDGET DEPARTMENT.

Commissioner, 1 at \$6,500 per year	\$6,500 00
Secretary, 1 at \$3,000 per year	3,000 00
Stenographer, 1 at \$2,000 per year	1,825 00

\$11,325 00

BUILDING DEPARTMENT.

Commissioner, 1 at \$7,500 per year	\$7,500 00
Chauffeur, 1 at \$1,800 per year	1,800 00
Chief of plan division A, 1 at \$3,500 per year	3,500 00
Chief of plan division B, 1 at \$3,300 per year	3,300 00
Chief of zoning division, 1 at \$3,300 per year	3,300 00
Chief of egress division, 1 at \$3,300 per year	3,300 00
Chief piling and concrete inspector, 1 at \$3,000 per year	3,000 00
Chief of application desk, 1 at \$2,500 per year	2,500 00
Civil engineers, 2 at \$2,200 to \$2,500 per year	4,800 00
Clerk of department, 1 at \$3,000 per year	3,000 00
Clerk and cashier, 1 at \$2,600 per year	2,600 00
Clerk, 1 at \$2,200 per year	2,200 00
Clerks, 3 at \$2,000 per year	6,000 00
Clerks, 2 at \$1,900 per year	3,800 00
Clerks, 2 at \$1,800 per year	3,600 00
Clerk, 1 at \$1,700 per year	1,700 00
Clerk, 1 at \$1,600 per year	1,600 00
Clerks, 2 at \$1,500 per year	3,000 00
Clerk, 1 at \$1,300 per year	1,300 00
Constable, 1 at \$1,600 per year	1,600 00
Construction engineers, 4 at \$2,800 to \$3,300 per year	10,964 70
Fire protection engineer, 1 at \$3,000 per year	3,000 00
Inspectors, building, 25 (26) at \$2,100 to \$2,700 per year	64,748 37
Inspectors, 39 (37) at \$2,000 to \$2,500 per year	89,089 16

Building Department.

Photographer and constable, 1 at \$1,900 per year	\$1,900 00
Supervisor of construction, 1 at \$3,600 per year	3,600 00
Supervisors, 3 at \$3,000 per year	9,000 00
Telephone operator and complaint clerk, 1 at \$1,600 per year	1,600 00

\$247,302 23

TEMPORARY	<u>\$1,000 00</u>
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BOARD OF APPEAL.

Members of board, 5 at \$10 per day	\$8,000 00
Clerk and stenographer, 1 at \$1,900 per year	1,900 00
Secretary, 1 at \$2 per hour	300 00

\$10,200 00

TEMPORARY	<u>\$40 00</u>
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BOARD OF EXAMINERS.

Members of board, 3 at \$10 per day	\$3,200 00
Clerk and cashier, 1 at \$1,900 per year	1,900 00

\$5,100 00

TEMPORARY	<u>\$40 00</u>
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CITY CLERK DEPARTMENT.

City clerk, 1 at \$7,000 per year	\$7,000 00
Assistant city clerk, 1 at \$4,000 per year	4,000 00
Chief clerk, 1 at \$3,400 per year	3,400 00
Clerks, 2 at \$2,500 per year	5,000 00
Clerk, 1 at \$2,300 (\$1,400) per year	1,476 44
Clerk, 1 at \$2,200 per year	2,200 00
Clerk, 1 at \$2,000 per year	2,000 00
Clerk, 1 at \$1,800 per year	1,800 00
Clerks, 8 at \$1,700 per year	13,600 00
Clerk, 1 at \$1,600 per year	1,600 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerk, 1 at \$1,300 per year	1,300 00
Clerks, 3 at \$1,100 per year	3,100 00
Messenger, 1 at \$1,700 per year	1,700 00

\$49,676 44

UNASSIGNED	<u>\$114 00</u>
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CITY COUNCIL.

Members of the City Council, 22 at \$2,000 per year	\$44,000 00
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City Messenger Department.

City messenger, 1 at \$5,500 per year	\$5,500 00
City messenger, assistant, 1 at \$3,250 per year	3,250 00
City messenger, second assistant, 1 at \$2,750 per year	2,750 00
Document man, 1 at \$2,750 per year	2,750 00
Police officers, 3 at \$200 per year	600 00

City Council.

Clerk of Committees Department.

Clerk of committees, 1 at \$5,500 per year	\$5,500 00
Clerk of committees, assistant, 1 at \$3,750 per year	3,750 00
Clerk of committees, second assistant, 1 at \$3,750 per year, ...	3,750 00
	\$71,850 00

CITY PLANNING BOARD.

Secretary, 1 at \$3,500 per year	\$3,500 00
Draughtsman, 1 at \$2,300 per year	2,300 00
Engineer, 1 at \$2,800 per year	2,800 00
Investigator, 1 at \$3,200 per year	3,200 00
Investigator, assistant, 1 at \$2,400 per year	2,400 00
Stenographer, 1 at \$1,600 per year	1,600 00
Stenographer and bookkeeper, 1 at \$1,600 per year	1,600 00
	\$17,400 00

COLLECTING DEPARTMENT.

Collector, 1 at \$7,500 per year	\$7,500 00
Bookkeeper and clerk, 1 at \$2,800 per year	2,800 00
Cashier, 1 at \$3,700 per year	3,700 00
Chauffeur, 1 (0) at \$1,800 per year	345 20
Clerk, insolvency and real estate, 1 at \$3,300 per year	3,300 00
Clerk, auditing, 1 (0) at \$2,300 per year	1,335 90
Clerk, tax, 1 at \$2,300 per year	2,300 00
Clerk, special assessments and liens, 1 at \$1,800 per year, ...	1,800 00
Clerk, 1 at \$2,200 per year	1,974 94
Clerks, 2 at \$2,100 per year	4,200 00
Clerks, 5 at \$2,000 per year	10,000 00
Clerk, 1 at \$1,900 per year	1,900 00
Clerks, 3 at \$1,800 per year	5,400 00
Clerks, 4 at \$1,700 per year	6,800 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerk, 1 at \$1,400 per year	1,400 00
Clerks, 3 at \$1,200 per year	3,600 00
Clerks, 2 at \$1,100 per year	2,200 00
Clerks, 2 at \$1,000 per year	1,189 16
Constable, 1 at \$1,600 per year	1,600 00
Deputy collector, chief, 1 at \$2,800 per year	2,800 00
Deputy collectors, 22 at \$2,400 per year	52,800 00
Teller, 1 at \$3,000 per year	3,000 00
Teller, 1 at \$2,200 per year	2,200 00
	\$125,645 20

TEMPORARY	\$3,000 00

UNASSIGNED	\$15,000 00

ELECTION DEPARTMENT.

Chairman, 1 at \$7,000 per year	\$7,000 00
Commissioners, 3 at \$6,000 per year	18,000 00
Assistants, 3 at \$2,700 per year	8,100 00
Assistant registrar and executive clerk, 1 at \$3,200 per year, ...	3,200 00
Assistant registrar, chief, 1 at \$3,100 per year	3,100 00

Election Department.

Assistant registrars, deputy chief, 3 at \$2,400 per year	\$7,200 00
Assistant registrars, 3 at \$2,400 per year	7,200 00
Assistant registrars, 35 at \$1,600 to \$2,300 per year	68,100 00
Carpenters, 3 at \$5.50 to \$6 per day	5,400 00

 \$127,300 00

TEMPORARY	\$31,000 00
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FINANCE COMMISSION.

Chairman, 1 at \$5,000 per year	\$5,000 00
Secretary, 1 at \$4,500 per year	4,500 00
Accountant, 1 at \$3,600 per year	3,600 00
Clerks, 2 at \$1,500 per year	3,000 00
Clerk and stenographer, 1 at \$1,150 per year	1,150 00
Consulting engineer, 1 at \$6,000 per year	6,000 00
Investigator-inspector, 1 at \$2,600 per year	2,600 00
Investigator, 1 at \$2,400 per year	2,400 00
Shorthand reporter, 1 at \$2,700 per year	2,700 00
Shorthand reporter, 1 at \$2,300 per year	2,300 00
Stenographer, 1 at \$1,400 per year	1,400 00

 \$34,650 00
FIRE DEPARTMENT.**Administration Force.**

Commissioner, 1 at \$7,500 per year	\$7,500 00
Executive secretary, 1 at \$3,600 per year	3,600 00
Chief clerk, 1 at \$2,800 per year	2,800 00
Clerk, executive, 1 at \$2,800 per year	2,800 00
Clerks, 3 at \$2,000 per year	6,000 00
Clerk, 1 at \$1,900 per year	1,900 00
Clerk, 1 at \$1,800 per year	1,800 00
Clerk, 1 at \$1,700 per year	1,700 00
Clerk, 1 at \$1,600 (\$1,200) per year	1,100 00
Clerk, 1 at \$1,600 per year	1,600 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerks, 2 at \$1,400 per year	2,800 00
Clerks, 2 at \$1,000 per year	2,000 00
Cleaner, 1 at \$18 per week	939 00
Elevatorman and assistant janitor, 1 at \$1,800 per year	1,800 00
Medical examiner, 1 at \$4,000 per year	4,000 00

Fire Prevention Division.

Deputy chief, 1 at \$4,500 per year	4,500 00
Captain, 1 at \$2,700 per year	2,700 00
Chief clerk, 1 at \$2,900 per year	2,900 00
Clerk, 1 at \$2,100 per year	2,100 00
Constable, 1 at \$1,600 per year	1,600 00

Maintenance Division.

Superintendent, 1 at \$4,500 per year	4,500 00
Chauffeur and auto mechanic, 1 at \$6 per day	1,878 00
Clerk, 1 at \$2,400 per year	2,400 00
Engineer, 1 at \$45 per week	2,347 50
Engineers, high pressure, 11 at \$2,200 per year	24,200 00
Engineers in charge, 3 at \$2,500 per year	7,500 00
Engineers, motor squad, 13 at \$2,300 per year	29,900 00
Engineers, high pressure, 3 at \$45 per week	7,042 50
Firemen, 2 at \$6.90 per day	5,037 00

Fire Department (Maintenance Division).

Foreman, auto repairers, 1 at \$2,500 per year	\$2,500 00
Foreman, painters, 1 at \$2,300 per year	2,300 00
Garage superintendent, 1 at \$2,700 per year	2,700 00
General foreman, 1 at \$3,000 per year	3,000 00
Laborers, 3 at \$5 per day	5,475 00
Leading repairers and mechanics, 6 at \$6.50 per day	12,207 00
Masons, 2 at \$6 to \$7 per day	4,069 00
Master in charge of marine service, 1 at \$3,000 per year	2,650 00
Master mechanics, 4 at \$2,300 per year	9,200 00
Mechanics, repairers, etc., 47 at \$6 per day	87,000 00
Mechanics' assistants, 7 at \$5.50 per day	12,050 50
Motor apparatus engineer, 1 at \$3,000 per year	3,000 00
Motor apparatus engineers, assistant, 2 at \$2,600 per year, ...	5,200 00
Storekeeper and property clerk, 1 at \$2,500 per year	2,500 00
Supervisor of high pressure service, 1 at \$3,000 per year	3,000 00
Supervisor, building repairs, 1 at \$2,500 per year	2,500 00
Wheelwright, 1 at \$6.25 per day	1,956 25

Fire Alarm Branch.

Superintendent, 1 at \$4,500 per year	4,500 00
Aide to superintendent, 1 at \$2,300 per year	2,300 00
Assistant foreman of construction, 1 at \$2,500 per year	2,500 00
Assistant batteryman, 1 at \$1,900 per year	1,900 00
Batteryman, 1 at \$2,100 per year	2,100 00
Cable splicers, 4 at \$6.50 per day	8,138 00
Clerk, 1 at \$1,900 per year	1,900 00
Custodian, 1 at \$2,000 per year	2,000 00
Inside wiremen, 5 at \$6.50 per day	10,172 50
Instructor of telegraphy, 1 at \$2,700 per year	2,700 00
Laborer, 1 at \$5 per day	1,825 00
Linemen, 9 at \$6 per day	16,902 00
Machinists, 3 at \$6 per day	6,570 00
Machinist and batteryman, 1 at \$2,100 per year	2,100 00
Operator, chief, 1 at \$3,000 per year	3,000 00
Operators, principal, 3 at \$2,700 per year	8,100 00
Operators, 6 at \$2,500 per year	15,000 00
Operators, assistant, 7 at \$1,600 to \$2,100 per year	13,850 62
Radio operator, 1 at \$2,400 per year	2,400 00
Repairers and linemen, 4 at \$6.25 per day	7,825 00
Storekeeper and property clerk, 1 at \$2,200 per year	2,200 00
Supervisor of construction, 1 at \$3,300 per year	3,300 00

Fire Fighting Force.

Chief of department, 1 at \$6,500 per year	6,500 00
Assistant chief of department, 1 at \$5,000 per year	5,000 00
Deputy chiefs, 6 at \$4,500 per year	26,000 00
District chiefs, 30 at \$4,000 per year	120,000 00
Captains, 87 at \$2,700 per year	227,000 00
Drill master, 1 at \$2,700 per year	1,605 18
Lieutenants, 129 at \$2,500 per year	321,400 00
Aides to chief, 2 at \$2,500 per year	5,000 00
Aides to chief, 2 at \$2,300 per year	4,600 00
Aides to commissioner, 3 at \$2,300 per year	6,900 00
Marine engineers, 6 at \$2,300 per year	13,800 00
Masters, 6 at \$2,200 per year	13,200 00
Engineers, 6 at \$2,200 per year	13,200 00
Assistant engineers, 6 at \$2,100 per year	12,600 00
Apparatus operators, 105 at \$2,200 per year	225,000 00
Privates, 1,112 at \$1,600 to \$2,100 per year	2,245,000 00

\$3,671,840 05

Fire Department (Fire Fighting Force).

TEMPORARY	<u>\$500 00</u>
UNASSIGNED	<u>\$4,000 00</u>

Wire Division.

Superintendent, 1 at \$4,500 per year	\$4,500 00
Chauffeur, 1 at \$1,800 per year	1,800 00
Chief clerk, 1 at \$2,800 per year	2,800 00
Chief inspector, 1 at \$2,900 per year	2,900 00
Clerk and cashier, 1 at \$2,200 per year	2,200 00
Clerk and stenographer, 1 at \$1,800 per year	1,800 00
Clerk, 1 at \$1,600 per year	1,600 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerk and stenographer, 1 at \$1,400 per year	1,400 00
Engineer, 1 at \$2,400 per year	2,400 00
Inspectors, interior, 21 at \$1,800 to \$2,500 per year	48,600 00
Inspectors, exterior, 10 at \$1,600 to \$2,200 per year	20,800 00
Stenographer and assistant cashier, 1 at \$1,800 per year	1,800 00
Stenographer, 1 at \$1,600 per year	1,600 00
Telephone operator and clerk, 1 at \$1,400 per year	1,400 00
	<u>\$97,100 00</u>

HEALTH DEPARTMENT.**Administration.**

Commissioner, 1 at \$7,500 per year	\$7,500 00
Secretary, 1 at \$3,500 per year	3,500 00
Clerk, 1 at \$2,800 per year	2,800 00
Clerk, (commissioner, deputy), 1 at \$2,500 per year	2,500 00
Clerk, 1 at \$2,400 per year	2,400 00
Clerk, 1 at \$2,300 per year	2,300 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerks, 5 at \$2,000 per year	10,000 00
Clerks, 2 at \$1,900 per year	3,800 00
Clerk, 1 at \$1,800 per year	1,800 00
Clerks, 12 at \$1,600 per year	19,200 00
Clerks, 5 at \$1,500 per year	7,500 00
Clerks, 5 at \$1,400 per year	7,000 00
Clerks, 4 at \$1,300 per year	5,200 00
Clerks, 3 at \$1,100 per year	3,300 00

Communicable Disease Control.

Commissioner, deputy, 1 at \$6,000 per year	6,000 00
Commissioner, deputy, 1 at \$5,000 per year	5,000 00
Commissioner, deputy, 1 at \$4,500 per year	4,500 00
Helper, hospital, 1 at \$18 per week	939 00
Investigator, settlement, 1 at \$2,300 per year	2,300 00
Investigator, 1 at \$2,100 per year	2,100 00
Inspectors, 2 at \$2,000 per year	4,000 00
Physician, X-ray service, 1 at \$3,500 per year	3,500 00
Physician, chief examining, 1 at \$2,000 per year	2,000 00
Superintendent, detention hospital, 1 at \$1,800 per year	1,800 00
Veterinarian, inspector of contagious diseases in animals, 1 at \$2,700 per year	2,700 00
X-ray technician, 1 at \$2,000 per year	2,000 00

Prevention and Educational.

Commissioner, deputy, 1 at \$7,000 per year	7,000 00
Dental director, 1 at \$2,500 per year	2,500 00

Health Department (Prevention and Educational).

Inspectors, medical, 3 (7) at \$4,000 per year	\$21,388 00
Inspectors, medical, 4 (0) at \$2,000 per year	3,311 09
Ophthalmologist, 1 at \$2,000 per year	2,000 00

Nursing Service.

Director of nurses, 1 at \$3,000 per year	3,000 00
Dietitian, 1 at \$2,000 per year	2,000 00
Dietitian, assistant to, 1 at \$1,800 (\$1,400) per year	1,562 00
Nurses, supervising, 12 at \$1,900 to \$2,100 per year	24,800 00
Nurses, 127 at \$1,400 to \$1,800 per year	215,000 00
Nurses' assistants, 3 at \$1,100 to \$1,400 per year	3,800 00

Laboratories and Research.

Commissioner, deputy, 1 at \$4,000 per year	4,000 00
Bacteriologist, 1 at \$2,400 per year	2,400 00
Bacteriologists, 3 at \$2,200 per year	6,600 00
Chemist and milk inspector, 1 at \$4,500 per year	4,500 00
Chemist, assistant, 1 at \$2,100 per year	2,100 00
Cleaner, 1 at \$10 per week	521 67
Helpers, laboratory, 2 at \$1,200 per year	2,400 00
Media man, 1 at \$1,800 per year	1,800 00
Media men, 2 at \$1,600 per year	3,200 00
Technical assistant, 1 at \$2,000 per year	2,000 00

Sanitation and Food Inspection.

Commissioner, deputy, 1 at \$4,000 per year	4,000 00
Commissioner, deputy, 1 at \$3,500 per year	3,500 00
Chief, dairy division, 1 at \$3,500 per year	3,500 00
Constables, 2 at \$1,600 per year	3,200 00
Inspectors, chief, 2 at \$2,700 per year	5,400 00
Inspector, dairy, supervisor of pasteurization, 1 at \$2,700 per year	2,700 00
Inspectors, supervising, 5 at \$2,500 per year	12,500 00
Inspectors, 73 at \$1,600 to \$2,300 per year	155,000 00
Inspector of pedlars, 1 at \$2,500 per year	2,500 00
Veterinarian, 1 at \$3,300 per year	3,300 00

Miscellaneous.

Caretakers, 2 at \$2,000 per year	4,000 00
Caretakers, laborers, etc., 42 (44) at \$5 per day	76,000 00
Chauffeur and driver, head, 1 at \$37.50 per week	1,956 25
Chauffeurs and drivers, 4 at \$36 per week	6,672 00
Cleaner, 1 at \$3 per day	939 00
Cooks, 6 at \$22 per week	6,886 01
Cook's assistants, 6 at \$17 per week	5,320 98
Matrons, 10 at \$22 per week	11,400 00
Orderly, 1 at \$1,800 per year	1,800 00
Police officers, 5 at \$2,100 per year	10,500 00

\$754,696 00

TEMPORARY	<u>\$3,000 00</u>
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HOSPITAL DEPARTMENT.

Superintendent, 1 at \$8,000 per year	\$8,000 00
Superintendent, assistant, 1 at \$5,000 per year	5,000 00
Physician, 1 at \$5,500 per year	5,500 00
Physicians, 2 at \$4,700 per year	9,400 00

Hospital Department.

Physicians, 2 at \$4,500 per year	\$9,000 00
Physician, 1 at \$4,000 per year	4,000 00
Physicians, 2 at \$3,700 per year	7,400 00
Physicians, 3 at \$3,500 per year	10,500 00
Physician, 1 at \$3,200 per year	3,200 00
Physicians, 3 at \$3,000 per year	9,000 00
Physician, 1 at \$2,900 per year	2,900 00
Physician, 1 at \$2,700 per year	2,700 00
Physicians, 5 at \$2,500 per year	12,500 00
Physicians, 2 at \$2,200 per year	4,400 00
Physician, 1 at \$2,100 per year	2,100 00
Physicians, 4 at \$2,000 per year	8,000 00
Physicians, 3 at \$1,800 per year	5,400 00
Physicians, 5 at \$1,500 per year	7,500 00
Physician, 1 at \$1,200 per year	1,200 00
Physicians, 10 (11) at \$1,000 per year	10,594 58
Physicians, 2 at \$500 per year	1,000 00
Anaesthetist, 1 at \$2,400 per year	2,400 00
Ambulance foreman, 1 at \$42 per week	2,191 00
Ambulance drivers, 16 (18) at \$36 per week	32,200 00
Ambulance drivers, 4 at \$34.50 per week	7,199 00
Ambulance repairman, 1 at \$38 per week	1,982 33
Apothecary, chief, 1 at \$2,500 per year	2,500 00
Apothecaries, assistant, 3 at \$35.50 per week	5,555 76
Case worker, 1 at \$2,000 per year	2,000 00
Chaplain, 1 at \$1,200 per year	1,200 00
Chaplains, 2 at \$500 per year	1,000 00
Chef, 1 at \$50 per week	2,608 33
Clerk, executive, 1 at \$2,500 per year	2,500 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerk, 1 at \$2,000 per year	2,000 00
Clerk, 1 at \$1,950 per year	1,950 00
Clerks, 4 at \$1,800 per year	7,200 00
Clerks, 2 at \$1,750 per year	3,500 00
Clerks, 31 (29) at \$1,500 per year	44,311 04
Clerks, 6 (5) at \$1,400 per year	7,405 52
Clerks, 7 at \$1,300 per year	9,100 00
Clerks, 4 at \$1,200 per year	4,800 00
Clerks, 3 at \$1,100 per year	3,300 00
Clerks, 16 (26) at \$1,000 per year	21,945 80
Clerks (part time), 18 (19) at \$12 per week	11,500 00
Dietitian, chief, 1 at \$2,200 per year	2,200 00
Dietitian, assistant, 1 at \$1,600 per year	1,600 00
Dietitian, assistant, 1 at \$1,500 per year	1,500 00
Electrician, chief, 1 at \$48 per week	2,504 00
Electricians, 2 at \$42 per week	4,382 00
Engineer, chief, 1 at \$60 per week	3,130 00
Engineer, first assistant, 1 at \$51 per week	2,660 50
Engineer, boiler room, 1 at \$45 per week	2,347 50
Engineers, stationary, 9 at \$48 per week	22,500 00
Firemen, 9 at \$41.50 per week	19,400 00
Foreman of grounds, 1 at \$36 per week	1,878 00
Foreman, pipe shop, 1 at \$42 per week	2,191 00
Helper, boiler room, 1 at \$35.50 per week	1,851 92
Laboratory assistants, 11 (13) at \$1,300 to \$1,700 per year, ...	18,764 70
Librarian, 1 at \$1,600 per year	951 08
Mechanics, head, 2 at \$40 per week	4,173 34
Mechanics, 19 at \$36 per week	35,500 00
Nurses, superintendent of, 1 at \$2,900 per year	2,900 00
Nurses, superintendent of, first assistant, 1 at \$1,800 per year	1,800 00

Hospital Department.

Nurses, assistant superintendent of, 4 at \$1,550 per year .	\$6,200 00
Nurse, operating room, 1 at \$125 per month	1,500 00
Nurses, graduate, 147 at \$85 to \$140 per month	150,000 00
Nurses, undergraduate, 300 (350) at \$100 to \$200 per year	50,000 00
Plant superintendent, 1 at \$3,000 per year	3,000 00
Social service workers, 16 at \$1,200 to \$1,600 per year .	23,100 00
Superintendent of valuables, 1 at \$1,800 per year	1,800 00
Technician, 1 at \$2,150 per year	2,150 00
Technician, 1 at \$2,000 per year	2,000 00
Technicians, 19 (21) at \$16 to \$29.50 per week	25,721 07
Hospital employees, 3 (2) at \$40 per week	4,850 67
Hospital employee, 1 at \$38.50 per week	1,193 50
Hospital employee, 1 at \$38 per week	1,982 33
Hospital employee, 1 at \$37.50 per week	1,162 50
Hospital employees, 3 (2) at \$35 per week	4,392 49
Hospital employees, 2 at \$34 per week	3,547 34
Hospital employees, 13 (16) at \$33 per week	25,448 50
Hospital employee, 1 at \$1,700 per year	1,700 00
Hospital employees, 23 (27) at \$32 per week	42,362 59
Hospital employees, 3 at \$1,650 per year	4,950 00
Hospital employees, 2 at \$31.50 per week	1,953 00
Hospital employee, 1 at \$31 per week	1,617 17
Hospital employee, 1 (0) at \$30.50 per week	645 58
Hospital employees, 2 at \$1,550 per year	3,100 00
Hospital employees, 875 (895) not exceeding \$30 per week,	790,000 00
	<u>\$1,598,354 14</u>

TEMPORARY	<u>\$75,000 00</u>
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UNASSIGNED	<u>\$14,000 00</u>
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Sanatorium Division.

Superintendent, assistant, 1 at \$4,000 per year	\$4,000 00
Chief of Staff, 1 at \$2,500 per year	2,500 00
Baker, 1 at \$34 per week	1,773 67
Bookkeeper and clerk, 1 at \$1,600 per year	1,600 00
Bookkeeper, first assistant, 1 at \$1,500 per year	1,500 00
Chaplain, 1 at \$1,200 per year	1,200 00
Chaplains, 2 at \$570 per year	1,140 00
Chauffeur-mechanic, 1 at \$36 per week	1,878 00
Chef, 1 at \$2,000 per year	2,000 00
Chief clerk, 1 at \$2,000 per year	2,000 00
Clerk, medical record, 1 at \$1,500 per year	1,500 00
Clerk and assistant bookkeeper, 1 at \$1,350 per year	1,350 00
Clerks, 2 at \$1,050 per year	2,100 00
Clerks and assistant bookkeepers, 2 at \$950 per year	1,900 00
Coal passers, 4 (2) at \$30 per week	3,130 00
Dietitian, 1 at \$1,800 per year	1,800 00
Director of occupational therapy, chief, 1 at \$1,750 per year	1,750 00
Directors, occupational therapy, 2 at \$1,200 per year	2,200 00
Druggist, 1 at \$33.50 per week	1,747 58
Electrician, 1 at \$42 per week	2,191 00
Engineer, supervising, 1 at \$2,700 per year	2,700 00
Engineer, first assistant, 1 at \$48 per week	2,504 00
Engineers, assistant, 6 at \$45 per week	14,000 00
Firemen, 4 at \$41.50 per week	8,659 68
Foreman, working, 1 at \$5.50 per day	1,721 50

Hospital Department (Sanatorium Division).

Hospital employees, 196 (225) not exceeding \$30 per week,	\$110,000 00
Laborers, 7 at \$5 per day	10,000 00
Laundry supervisor, 1 at \$1,500 per year	1,500 00
Laboratory assistant, 1 at \$1,500 per year	1,500 00
Laryngologist, 1 at \$1,200 per year	1,200 00
Mechanics, 2 at \$6 per day	3,599 50
Nurses, superintendent of, 1 at \$1,700 per year	1,700 00
Nurses, assistant superintendent of, 1 at \$1,500 per year	1,500 00
Nurses, night supervisor of, 1 at \$1,350 per year	1,350 00
Nurses, assistant night supervisor of, 1 at \$1,200 per year,	1,200 00
Nurses, heads of wards, 12 at \$1,140 per year	13,000 00
Nurses, 61 at \$1,020 per year	55,000 00
Nurses, male, 24 at \$480 to \$650 per year	10,000 00
Officer, resident medical, 1 at \$4,000 per year	4,000 00
Officer, first assistant medical, 1 at \$1,800 per year	1,800 00
Officers, assistant resident medical, 7 at \$1,200 per year	8,000 00
Ophthalmologist, visiting, 1 at \$1,200 per year	713 31
Organist, 1 at \$460 per year	460 00
Organist, 1 at \$250 per year	250 00
Pathologist, 1 at \$2,500 per year	2,500 00
Physician, first assistant, 1 at \$2,100 per year	2,100 00
Roentgenologist, 1 at \$1,200 per year	1,200 00
Social workers, 2 at \$1,300 to \$1,700 per year	3,000 00
Stenographer, 1 at \$1,050 per year	1,050 00
Stenographers, 2 at \$1,000 per year	1,800 00
Surgeon, resident, 1 at \$2,500 per year	1,486 45
Surgeon, visiting dental, 1 at \$1,600 per year	1,600 00
Surgical assistant, 1 at \$600 per year	356 81

\$310,711 50

TEMPORARY \$6,000 00

UNASSIGNED \$1,500 00

INSTITUTIONS DEPARTMENT.**Central Office.**

Commissioner, 1 at \$7,500 per year	\$7,500 00
Bookkeeper, 1 at \$1,700 per year	1,700 00
Chauffeur, 1 at \$1,900 per year	1,900 00
Clerk and investigator, 1 at \$2,300 per year	2,300 00
Clerks and stenographers, 4 at \$1,600 per year	6,400 00
Clerk and stenographer, 1 at \$1,500 per year	1,500 00
Court officer, 1 at \$2,000 per year	2,000 00
Fiscal agent, 1 at \$2,600 per year	2,600 00
Investigators, 2 at \$2,100 per year	4,200 00
Registrar, 1 at \$4,000 per year	4,000 00
Secretary and clerk, 1 at \$2,000 per year	2,000 00
Settlement examiner and clerk, 1 at \$2,100 per year	2,100 00
Transportation officers, 2 at \$1,900 per year	3,800 00
Visitors, 2 at \$1,400 to \$1,900 per year	3,700 00

\$45,700 00

TEMPORARY \$800 00

UNASSIGNED \$200 00

Institutions Department.

Child Welfare Division.

Deputy commissioner, 1 at \$3,500 per year	\$3,500 00
Bookkeeper, 1 at \$1,700 per year	1,700 00
Clerk and stenographer, 1 at \$1,700 per year	1,700 00
Clerk and stenographer, 1 at \$1,600 per year	1,600 00
Clerks and stenographers, 3 at \$1,200 per year	3,600 00
Clerk and visitor, 1 at \$1,600 per year	1,600 00
Investigator and visitor, 1 at \$2,000 per year	2,000 00
Matron and storeroom attendant, 1 at \$1,400 per year	1,400 00
Matron and attendant (storekeeper), 1 at \$1,250 per year, ...	1,250 00
Matron, assistant, 1 at \$1,200 per year	1,200 00
Visitor and investigator, 1 at \$2,000 per year	2,000 00
Visitors, 6 at \$1,400 to \$1,900 per year	10,700 00

\$32,250 00

TEMPORARY \$2,500 00

UNASSIGNED \$600 00

Long Island Hospital.

Superintendent, 1 at \$4,500 per year	\$4,500 00
Baker, 1 at \$1,600 per year	1,600 00
Carpenter, 1 at \$1,400 per year	1,400 00
Cement worker and plasterer, 1 at \$1,700 per year	1,400 00
Chaplain, 1 at \$1,000 per year	1,000 00
Chaplain, 1 at \$800 per year	800 00
Chef, 1 at \$2,000 per year	1,700 00
Chief clerk, 1 at \$2,100 per year	2,100 00
Clerks, 2 at \$1,400 per year	2,800 00
Dentist, 1 at \$15 per day	1,560 00
Dental hygienist, 1 at \$1,400 per year	1,400 00
Dietitian, 1 at \$1,700 per year	1,100 00
Electrician, 1 at \$1,900 per year	1,900 00
Engineer, chief, 1 at \$2,500 per year	2,500 00
Engineers, 5 at \$48 per week	10,513 35
Firemen, 4 at \$41.50 per week	7,054 32
Institution employees, 180 not exceeding \$1,300 per year	129,600 00
Internes, 6 at \$600 per year	3,200 00
Nurses, superintendent of, 1 at \$2,300 per year	2,300 00
Nurses, assistant superintendent of, 1 at \$1,500 per year	1,500 00
Nurses, night superintendent of, 1 at \$1,400 per year	1,400 00
Nurses, teacher of, 1 at \$1,400 per year	1,400 00
Nurses, head, 34 at \$1,200 per year	40,000 00
Nurses, supervisors of, 5 at \$1,300 per year	6,000 00
Nurse, operating room, 1 at \$1,300 per year	1,300 00
Nurses, student, 75 (80) at \$600 per year	39,000 00
Occupational therapist, 1 at \$1,500 per year	1,500 00
Organist, 1 at \$900 per year	900 00
Organist, 1 at \$450 per year	450 00
Painter, 1 at \$1,600 per year	1,600 00
Pathologist, 1 at \$2,800 per year	2,800 00
Pharmacist, 1 at \$2,200 per year	2,200 00
Pharmacist, assistant, 1 at \$1,800 per year	1,800 00
Physician, resident, 1 at \$3,200 per year	3,200 00
Physicians, assistant resident, 3 at \$1,500 to \$2,800 per year	6,000 00
Plumber, 1 at \$1,600 per year	1,600 00
Refractionist, 1 at \$15 per day	780 00

Institutions Department (Long Island Hospital).

Stenographer, 1 at \$1,400 per year	\$1,400 00
Stenographers, 3 at \$1,200 per year	3,600 00
Storekeeper, 1 at \$1,600 per year	1,600 00
Technician, 1 at \$1,400 per year	1,400 00
Technician, X-ray, 1 at \$1,500 per year	1,500 00

\$301,357 67

TEMPORARY \$6,500 00

UNASSIGNED \$1,700 00

Steamer "George A. Hibbard" and Launch "James J. Minot."

Captain, 1 at \$2,300 per year	\$2,300 00
Deckhand and pilot, 1 at \$1,500 per year	1,500 00
Deckhands, 6 at \$1,300 per year	7,800 00
Engineer, chief, 1 at \$2,100 per year	2,100 00
Engineer, assistant, 1 at \$1,900 per year	1,900 00
Firemen, 2 at \$1,400 per year	2,800 00
Mate and captain, 1 at \$2,200 per year	2,200 00
Mechanic, 1 at \$1,500 per year	1,500 00

\$22,100 00

TEMPORARY \$2,000 00

UNASSIGNED \$200 00

LAW DEPARTMENT.

Corporation counsel, 1 at \$10,000 per year	\$10,000 00
Assistant corporation counsel, 1 at \$7,500 per year	7,500 00
Assistant corporation counsel, 1 at \$6,000 per year	6,000 00
Assistant corporation counsels, 4 at \$5,000 per year	19,500 00
Assistant corporation counsels, 2 at \$5,000 (\$4,500) per year	8,728 70
Assistant corporation counsels, 2 at \$4,500 per year	8,650 04
Assistant corporation counsels, 2 at \$3,500 per year	6,971 23
Clerk, 1 at \$2,500 per year	2,500 00
Constables, 5 (7) at \$2,000 per year	12,378 32
Conveyancer, 1 at \$5,000 per year	5,000 00
Conveyancers, 2 at \$3,500 per year	7,000 00
Investigator, chief, 1 at \$2,700 per year	2,700 00
Investigator, 1 at \$2,600 per year	2,600 00
Investigators, 2 at \$2,000 per year	4,000 00
Secretary, 1 at \$2,300 per year	2,300 00
Stenographer, 1 at \$2,100 per year	2,100 00
Stenographers, 2 at \$1,900 per year	3,800 00
Stenographer, 1 at \$1,700 per year	1,700 00
Stenographer, 1 at \$1,560 per year	1,560 00
Stenographer, 1 at \$1,400 per year	1,400 00
Stenographer, 1 at \$1,360 per year	1,360 00
Stenographer, 1 at \$900 per year	900 00
Telephone operator and clerk, 1 at \$1,600 per year	1,600 00

\$120,248 29

TEMPORARY \$12,000 00

LICENSING BOARD.

Chairman, 1 at \$4,000 per year	\$4,000 00
Commissioners, 2 at \$3,500 per year	7,000 00
Secretary, 1 at \$3,500 per year	3,500 00
Clerk, 1 at \$2,500 per year	2,500 00
Clerks, 2 at \$2,100 per year	4,200 00
Stenographer, 1 at \$2,000 per year	2,000 00
Clerk and messenger, 1 at \$1,600 per year	1,600 00
	\$24,800 00

TEMPORARY	\$800 00
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MARKET DEPARTMENT.

Superintendent, 1 at \$5,000 per year	\$5,000 00
Deputy superintendent and clerk, 1 at \$2,500 per year	2,500 00
Laborers and watchmen, 4 at \$5 per day	6,780 00
Matron, 1 at \$22 per week	1,147 67
	\$15,427 67

UNASSIGNED	\$20 00
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MAYOR, OFFICE EXPENSES.

Mayor, 1 at \$20,000 per year	\$20,000 00
Secretary, 1 at \$4,500 per year	4,500 00
Assistant secretary, 1 at \$3,500 per year	3,500 00
Assistant secretaries, 3 at \$2,700 per year	8,100 00
Assistant secretary, 1 (2) at \$2,500 per year	2,749 59
Chauffeur, 1 at \$2,700 per year	2,700 00
Chief clerk, 1 at \$3,500 per year	3,500 00
Chief clerk, assistant, 1 at \$3,000 per year	3,000 00
Chief, licensing division, 1 at \$4,000 per year	4,000 00
Clerk, licensing division, 1 at \$3,000 per year	3,000 00
Clerk, 1 at \$2,600 per year	2,600 00
Clerk, 1 at \$2,300 per year	2,300 00
Stenographers, 2 at \$2,900 per year	5,800 00
Stenographer, 1 at \$2,000 per year	2,000 00
Telephone operator, 1 at \$2,100 per year	2,100 00
	\$69,849 59

TEMPORARY	\$500 00
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PARK DEPARTMENT.

Chairman, 1 at \$7,000 per year	\$7,000 00
Deputy commissioner, 1 at \$3,800 per year	3,800 00
Secretary and chief clerk, 1 at \$4,000 per year	4,000 00
Chief engineer, 1 at \$4,000 per year	4,000 00
Superintendent of parks, 1 at \$3,000 per year	3,000 00
Superintendent of baths, 1 at \$2,800 per year	2,800 00
Adviser of animals, 1 at \$1,500 per year	1,500 00
Assistant engineers, 3 at \$2,200 to \$2,700 per year	7,500 00
Bookkeeper and stenographer, 1 at \$1,900 per year	1,900 00
Bookkeeper and stenographer, 1 at \$1,700 per year	1,700 00
Clerks and stenographers, 2 at \$1,900 per year	3,800 00
Clerks and stenographers, 5 at \$1,700 per year	8,500 00

Park Department.

Clerk and stenographer, 1 at \$1,500 per year	\$1,500 00
Chief carpenter, 1 at \$2,200 per year	2,200 00
Chief engineer, aquarium, 1 at \$45 per week	2,347 50
Chief inspector, construction, 1 at \$2,400 per year	2,400 00
Chief inspector, moth work, 1 at \$2,200 per year	2,200 00
Chauffeur, etc., 1 at \$1,800 per year	1,800 00
Chauffeurs, 6 at \$31.50 per week	9,500 00
Custodians, 17 at \$2,000 per year	28,000 00
Curator, 1 at \$3,000 per year	3,000 00
Director of aquarium, 1 at \$2,400 per year	2,400 00
Draughtsman and inspector, 1 at \$2,200 per year	2,200 00
Elephant attendants, 2 at \$1,800 per year	3,600 00
Engineers, 11 at \$42 per week	24,000 00
Engineers and firemen, 11 at \$38 to \$41.50 per week	23,344 60
Foremen, 12 at \$2,100 to \$2,500 per year	27,934 00
Forester, 1 at \$2,500 per year	2,500 00
Gardeners, mechanics, etc., 71 at \$6 per day	121,000 00
Gardeners, mechanics, etc., 63 at \$5.50 per day	108,000 00
Greenkeeper, 1 at \$2,500 per year	2,500 00
Head matrons, 2 at \$1,600 per year	3,200 00
Inspectors, 4 at \$1,800 to \$2,100 per year	8,200 00
Instructor, boxing, 1 at \$2,000 per year	2,000 00
Laborers, mechanics, etc., 333 at \$5 per day	515,000 00
Matrons, pianists, etc., 147 at \$22 per week	164,000 00
Physical director, 1 at \$2,600 per year	2,600 00
Physical instructors, 13 at \$2,200 per year	28,600 00
Rodmen, 2 at \$1,200 per year	2,400 00
Storekeeper and property clerk, 1 at \$2,500 per year	2,500 00
Subforemen, 4 at \$1,800 to \$2,100 per year	8,300 00
Swimming instructors, 4 at \$1,900 per year	5,500 00
Telephone operator and complaint clerk, 1 at \$1,700 per year	1,700 00
Transitmen and draughtsmen, 2 at \$1,700 to \$1,800 per year	3,500 00

\$1,167,426 10

TEMPORARY \$120,000 00

UNASSIGNED \$9,000 00

Cemetery Division.

Superintendent, 1 at \$3,200 per year	\$3,200 00
Bookkeeper and stenographer, 1 at \$1,700 per year	1,700 00
Chauffeur, 1 at \$5.25 per day	1,643 25
Clerk and stenographer, 1 at \$2,300 per year	2,300 00
Clerk and stenographer, 1 at \$1,900 per year	1,900 00
Clerk and stenographer, 1 at \$1,100 per year	1,100 00
Custodian, 1 at \$2,200 per year	2,200 00
Custodians and cemetery keepers, 2 at \$2,100 per year	4,200 00
Engineer, 1 at \$41.50 per week	2,164 92
Foreman, 1 at \$2,200 per year	2,200 00
Gardeners, treemen, etc., 15 at \$5.50 per day	25,000 00
Laborers, etc., 42 at \$5 per day	58,000 00
Matrons, 2 at \$22 per week	2,295 34
Mechanics, 2 at \$6 per day	3,756 00
Sexton, 1 at \$6 per day	1,878 00
Stonemason and dynamiter, 1 at \$6.50 per day	2,034 50
Supervisor of veterans' graves, 1 at \$2,300 per year	2,300 00

\$117,872 01

Park Department (Cemetery Division).

TEMPORARY	\$15,000 00
UNASSIGNED	\$3,500 00

POLICE DEPARTMENT.

Administration Force.

Commissioner, 1 at \$8,000 per year	\$8,000 00
Secretary, 1 at \$5,000 per year	5,000 00
Legal adviser, 1 at \$5,000 per year	4,388 92
Property clerk, 1 at \$3,600 per year	3,600 00
Clerk, 1 at \$3,600 per year	3,600 00
Clerk, 1 at \$3,500 per year	3,500 00
Clerks, 2 at \$2,600 per year	5,200 00
Clerks, 2 at \$2,500 per year	5,000 00
Clerk, 1 at \$2,300 per year	2,300 00
Clerk, 1 at \$2,200 per year	2,200 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerks, 2 at \$2,050 per year	4,100 00
Clerk, 1 at \$2,000 per year	2,000 00
Clerk, 1 at \$1,900 per year	1,900 00
Clerk, 1 at \$1,880 per year	1,880 00
Clerks, 2 at \$1,850 per year	3,700 00
Clerk, 1 at \$1,800 per year	1,800 00
Clerk, 1 at \$1,640 per year	1,640 00
Clerk, 1 at \$1,620 per year	1,620 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerk, 1 at \$1,400 per year	1,400 00
Clerk, 1 at \$1,380 per year	1,380 00
Clerks, 2 at \$1,300 per year	2,600 00
Clerks, 2 at \$1,100 per year	2,200 00
Clerks, 2 at \$1,000 per year	2,000 00
Clerks, 2 at \$950 per year	1,900 00
Clerk, 1 at \$780 per year	780 00
Clerk, 1 at \$750 per year	750 00
Stenographer, 1 at \$3,500 per year	3,500 00
Stenographer, 1 at \$2,100 per year	2,100 00
Stenographer, 1 at \$2,000 per year	2,000 00
Stenographer, 1 at \$1,700 per year	1,700 00
Stenographer, 1 at \$1,610 per year	1,610 00
Stenographer, 1 at \$1,500 per year	1,500 00
Stenographer, 1 at \$1,360 per year	1,360 00
Stenographer, 1 at \$1,260 per year	1,260 00
Stenographer, 1 at \$1,100 per year	1,100 00
Telephone operator, 1 at \$1,800 per year	1,800 00
Telephone operators, 2 at \$1,600 per year	3,200 00

Uniformed Force.

Superintendent, 1 at \$7,000 per year	7,000 00
Deputy superintendents, 2 at \$4,500 per year	9,000 00
Chief inspector, 1 at \$4,300 per year	4,300 00
Captains, 29 at \$4,000 per year	115,000 00
Inspectors, 23 at \$2,700 per year	61,500 00
Lieutenants, 3 at \$2,725 per year	8,175 00
Lieutenants, 47 at \$2,700 per year	125,000 00
Sergeants, 3 at \$2,525 per year	7,575 00
Sergeants, 184 at \$2,500 per year	455,000 00
Aide to commissioner, 1 at \$2,300 per year	1,900 00
Patrolmen, 2,151 at \$1,600 to \$2,125 per year	4,225,000 00

Police Department.**Signal Service Force.**

Director, 1 at \$3,350 per year	\$3,350 00
Chauffeur and helper, 1 at \$1,700 per year	1,700 00
Foreman of linemen, 1 at \$2,300 per year	2,300 00
Foreman of linemen, assistant, 1 at \$2,100 per year	2,100 00
Linemen, 5 at \$2,000 per year	10,000 00
Mechanician, 1 at \$2,100 per year	2,100 00
Operator and repairman, 1 at \$2,100 per year	2,100 00
Painter and groundman, 1 at \$1,900 per year	1,900 00
Signalmen, 7 at \$2,100 per year	14,700 00

Miscellaneous.

Chauffeur, 1 at \$1,800 per year	1,800 00
Chauffeurs, 2 at \$1,600 per year	3,200 00
Cleaners, 15 at \$1,200 per year	18,000 00
Elevator operators, 4 at \$1,600 per year	6,400 00
Elevator operator, 1 at \$1,000 per year	1,000 00
Engineer, chief, 1 at \$2,700 per year	2,700 00
Engineer, first assistant, 1 at \$2,150 per year	2,150 00
Engineer, second assistant, 1 at \$2,100 per year	2,100 00
Firemen, marine, 8 (9) at \$2,000 per year	17,600 00
Fireman, stationary, 1 at \$1,800 per year	1,800 00
Firemen, stationary, 5 at \$1,700 per year	8,500 00
Hostlers, 11 at \$1,600 per year	17,600 00
Janitor, 1 at \$1,800 per year	1,800 00
Janitors, 36 at \$1,600 per year	57,000 00
Laborer and helper, 1 at \$1,600 per year	1,600 00
Matron, chief, 1 at \$1,800 per year	1,800 00
Matron, assistant chief, 1 at \$1,600 per year	1,600 00
Matrons, assistant, 3 at \$1,500 per year	4,500 00
Matron, 1 at \$720 per year	720 00
Matrons, 4 at \$400 per year	1,600 00
Mechanic, 1 at \$2,000 per year	2,000 00
Repairman, 1 at \$2,000 per year	2,000 00
Repairman, 1 at \$1,900 per year	1,900 00
Repairman, 1 at \$1,800 per year	1,800 00
Scrubwomen, 2 at \$1,100 per year	2,200 00
Steamfitter, 1 at \$1,700 per year	1,700 00
Superintendent of buildings, 1 at \$3,000 per year	3,000 00
Superintendent of repair shop, 1 at \$2,200 per year	2,200 00
Tailor, 1 at \$2,000 per year	2,000 00

\$5,331,138 92

TEMPORARY \$3,000 00

UNASSIGNED \$700 00

PUBLIC BUILDINGS DEPARTMENT.

Superintendent, 1 at \$5,500 per year	\$5,500 00
Chief clerk, 1 at \$4,000 per year	4,000 00
Chief clerk, assistant, 1 at \$2,600 per year	2,600 00
Carpenters, 2 at \$6.50 per day	4,069 00
Cleaners and janitresses, 76 (80) at \$18 per week	73,500 00
Clerks and stenographers, 2 at \$2,500 per year	5,000 00
Clerk and stenographer, 1 at \$1,200 per year	1,200 00
Custodian, 1 at \$2,100 per year	2,100 00
Custodians and janitors, 15 at \$1,700 to \$2,000 per year	29,500 00
Driver, chief, 1 at \$38 per week	1,982 33

Public Buildings Department.

Drivers, 4 at \$35 per week	\$7,303 32
Elevator operator, chief, 1 at \$1,900 per year	1,900 00
Elevator operators, 10 at \$32 per week	16,500 00
Engineer, chief, 1 at \$52 per week	2,712 67
Engineers, 4 at \$45 per week	9,390 00
Engineers, 2 (4) at \$42 per week	6,986 00
Firemen and oilers, 14 (12) at \$41.50 per week	27,500 00
Furniture polishers, 2 at \$6 to \$6.50 per day	3,912 50
Inspectors, 3 at \$2,500 per year	7,500 00
Inspector (supervisor of heating and ventilating), 1 at \$2,500 per year	2,500 00
Janitors, superintendent of, 1 at \$2,500 per year	2,500 00
Janitor, chief, 1 at \$2,100 per year	2,100 00
Janitors, laborers, etc., 35 at \$5 per day	53,000 00
Janitors, 1 at \$10 per week	521 67
Locksmith, 1 at \$6.50 per day	2,034 50
Matrons, 7 (5) at \$22 per week	6,500 35
Orderlies, 1 (2) at \$17 per week	1,413 83
Steamfitter, 1 at \$6 per day	1,878 00
Storekeeper, 1 at \$1,800 per year	1,800 00
Telephone operator, chief, 1 at \$30 per week	1,565 00
Telephone operators, 10 at \$27 per week	14,000 00
	<u>\$302,969 17</u>

TEMPORARY	<u>\$500 00</u>
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UNASSIGNED	<u>\$750 00</u>
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PUBLIC WELFARE DEPARTMENT.

Central Office.

Secretary, 1 at \$4,200 per year	\$4,200 00
Bookkeeper, 1 at \$2,500 per year	2,500 00
Bookkeeper, assistant, 1 at \$1,800 per year	1,800 00
Case work supervisor, 1 at \$2,600 per year	2,600 00
Chief visitor, 1 at \$2,800 per year	2,800 00
Clerk, 1 at \$1,800 per year	1,800 00
Clerks, 3 at \$1,600 per year	4,800 00
Clerk and assistant paymaster, 1 at \$1,600 per year	1,600 00
Clerks, 2 at \$1,500 per year	3,000 00
Clerks, 6 at \$1,400 per year	8,400 00
Clerks, 8 at \$1,300 per year	10,400 00
Clerks, 4 at \$1,200 per year	4,800 00
Clerks, 3 at \$1,100 per year	3,300 00
Clerks and stenographers, 3 (25) at \$1,000 per year	16,000 00
Engineers, 2 at \$42 per week	4,382 00
Paymaster, 1 at \$2,100 per year	2,100 00
Settlement visitor, 1 at \$2,600 per year	2,600 00
Supervisor, old age assistance, 1 at \$2,500 per year	1,465 90
Telephone operator, 1 at \$1,100 per year	1,100 00
Visitor, cities and towns, 1 at \$2,600 per year	2,600 00
Visitors, 20 (35) at \$1,600 to \$2,300 per year	55,900 00
	<u>\$138,147 90</u>

TEMPORARY	<u>\$12,000 00</u>
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Public Welfare Department.**Temporary Home.**

Matron, 1 at \$1,080 per year	\$1,080 00
Matron, assistant, 1 at \$1,020 per year	1,020 00
Matron, night, 1 at \$960 per year	960 00
Matron, assistant, 1 at \$780 per year	780 00
Cook, 1 at \$960 per year	960 00
Housemaid, 1 at \$600 per year	600 00
	\$5,400 00
TEMPORARY	\$350 00

Wayfarers' Lodge.

Superintendent, 1 at \$2,300 per year	\$2,300 00
Superintendent, assistant, 1 at \$1,800 per year	1,800 00
Physician, 1 at \$600 per year	600 00
Yard foreman, 1 at \$5 per day	1,565 00
	\$6,265 00

PUBLIC WORKS DEPARTMENT.**Central Office.**

Commissioner, 1 at \$9,000 per year	\$9,000 00
Chief clerk, 1 at \$4,400 per year	4,400 00
Chief clerk, assistant, 1 at \$2,900 per year	2,900 00
Blueprinters, 2 at \$1,800 per year	3,600 00
Cement tester, 1 at \$2,100 per year	2,100 00
Cement tester, assistants, 2 at \$1,600 per year	3,200 00
Chauffeur, 1 at \$6 per day (\$1,900 per year)	1,891 64
Civil service clerk, 1 at \$3,200 per year	3,200 00
Clerk and secretary, 1 at \$3,000 per year	3,000 00
Clerk and cashier, 1 at \$2,700 per year	2,700 00
Clerk, 1 at \$2,500 per year	2,500 00
Clerks, 3 at \$2,300 per year	6,900 00
Clerks, 2 at \$2,200 per year	4,400 00
Clerks, 4 at \$2,000 per year	8,000 00
Clerks, 3 at \$1,900 per year	5,700 00
Clerk and stenographer, 1 at \$1,800 per year	1,800 00
Clerks, 2 at \$1,800 per year	3,600 00
Clerks, 3 at \$1,700 per year	5,100 00
Clerks, 2 at \$1,600 per year	3,200 00
Clerks, 2 at \$1,300 per year	2,600 00
Clerk, 1 at \$1,200 per year	1,200 00
Clerk, 1 at \$1,100-\$1,000 per year	1,000 00
Contract clerk, 1 at \$3,000 per year	3,000 00
	\$84,991 64

Bridge Service.

Division engineer, 1 at \$6,000 per year	\$4,500 00
Clerk, executive, 1 at \$2,500 per year	2,500 00
Clerk, 1 at \$1,300 per year	1,300 00
Chauffeur, 1 at \$6 per day	1,878 00
Chauffeurs, 3 at \$31.50 per week	4,929 75
Draftsman, architectural, 1 at \$2,300 per year	2,200 00
Draftsman, senior, design, 1 at \$2,500 per year	2,000 00
Draftsmen, senior, 3 (2) at \$2,100 per year	3,200 00
Drawtenders, 14 at \$2,000 per year	28,000 00

Public Works Department (Bridge Service).

Drawtenders, first assistant, 28 at \$1,800 per year . . .	\$50,000 00
Drawtenders, assistant, 93 at \$1,700 per year . . .	150,000 00
Electrician, 1 at \$7 per day . . .	2,191 00
Engineers, assistant, 4 at \$3,000 to \$3,800 per year . . .	10,000 00
Engineers, senior, 3 at \$2,800 to \$3,000 per year . . .	6,500 00
Engineers, junior, 2(4) at \$2,200 to \$2,600 per year . . .	6,500 00
Foreman, 1 at \$2,500 per year . . .	2,500 00
Inspectors, 3 at \$1,900 to \$2,300 per year . . .	5,000 00
Laborers, janitors, etc., 9 at \$5 per day . . .	14,000 00
Mechanics, 21 at \$6 per day . . .	39,420 00
Medical inspector, 1 at \$1,200 per year . . .	200 00
Rodmen, 2 at \$1,400 to \$1,600 per year . . .	1,900 00
Subforemen, 3 at \$40 per week . . .	6,260 01
Supervisor of bridges, 1 at \$3,700 per year . . .	3,700 00
Transitmen, 5 (4) at \$1,700 to \$2,100 per year . . .	6,000 00

Boston and Cambridge Bridges.

Bridge caretaker, 1 at \$16 per week . . .	834 67
Bridge caretakers, 6 at \$15 per week . . .	4,500 00
Clerk, 1 at \$250 per year (part time) . . .	250 00
Clerk, 1 at \$50 per year (part time) . . .	50 00
Custodian, 1 at \$850 per year.. . .	850 00
	<u>\$361,163 43</u>

TEMPORARY	<u>\$16,000 00</u>
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UNASSIGNED	<u>\$9,000 00</u>
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Ferry Service.

Division engineer, 1 at \$6,000 per year . . .	\$1,500 00
Captains, 12 at \$51 per week . . .	31,926 00
Cashier, 1 at \$2,500 per year . . .	2,500 00
Clerk and assistant cashier, 1 at \$1,700 per year . . .	1,700 00
Deckhands, 26 at \$5.25 per day . . .	42,000 00
Electrician, 1 at \$7 per day . . .	2,191 00
Engineers, 12 at \$50 per week . . .	31,000 00
General foreman (supervisor of ferries) 1 at \$3,700 per year, . . .	3,700 00
Joiner, 1 at \$2,100 per year . . .	2,100 00
Laborers, janitors, etc., 15 at \$5 per day . . .	22,000 00
Machinists, marine, 8 at \$7 per day . . .	17,528 00
Master machinist, 1 at \$2,400 per year . . .	2,400 00
Matrons, 8 at \$22 per week . . .	9,000 00
Mechanics, 13 at \$6 per day . . .	24,400 00
Medical inspector, 1 at \$1,200 per year . . .	100 00
Oilers and firemen, 46 at \$41.50 per week . . .	97,000 00
Quartermasters, 12 at \$7 per day . . .	26,000 00
Ship carpenter, 1 at \$2,100 per year . . .	2,100 00
Stockkeeper, 1 at \$1,800 per year . . .	1,800 00
Tollmen and gatemen, 29 at \$5.50 per day . . .	49,000 00
	<u>\$369,945 00</u>

TEMPORARY	<u>\$21,000 00</u>
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UNASSIGNED	<u>\$9,000 00</u>
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Public Works Department.**Lighting Service.**

Division engineer, 1 at \$6,000 per year	\$1,500 00
Clerk, 1 at \$2,500 per year	2,500 00
Inspector, 1 at \$2,200 per year	2,200 00
	<u>\$6,200 00</u>

Paving Service.

Division engineer, 1 at \$6,000 per year	\$4,500 00
Asphalt tester, 1 at \$2,300 per year	600 00
Chauffeurs, head, 4 at \$2,000 per year	8,000 00
Chauffeurs-teamsters-laborers, 46 at \$5 to \$5.50 per day	71,000 00
Chemist, 1 at \$2,700 per year	750 00
Clerk, executive, 1 at \$3,000 per year	3,000 00
Clerk and stenographer, 1 at \$2,600 per year	2,600 00
Clerk, 1 at \$2,400 per year	2,400 00
Clerk, 1 at \$2,200 per year	2,200 00
Clerk, 1 at \$2,000 per year	2,000 00
Clerk, 1 at \$1,900 per year	1,900 00
Clerks, 2 at \$1,800 per year	3,600 00
Clerks, 7 at \$1,600 per year	11,200 00
Clerks, 3 at \$1,500 per year	4,500 00
Clerk, 1 at \$1,400 per year	1,400 00
Clerks, 4 at \$1,300 per year	5,200 00
Constable, 1 at \$1,600 per year	951 08
Draftsmen, 3 at \$1,700 to \$2,100 per year	500 00
Engineer in charge, 1 at \$4,000 per year	850 00
Engineer in charge, assistant, 1 at \$3,300 per year	900 00
Engineers, senior, 9 at \$2,800 to \$3,100 per year	6,000 00
Engineers, junior, 9 at \$2,200 to \$2,700 per year	3,500 00
Engineers, steam, 12 at \$41.50 per week	25,000 00
Foreman, general 1 (0) at \$3,300 per year	81 37
Foremen, 11 at \$2,100 to \$2,500 per year	27,000 00
Garage superintendent, 1 at \$2,800 per year	2,800 00
Garage superintendent, 1 at \$2,400 per year	2,400 00
Inspector, chief, 1 at \$3,300 per year	950 00
Inspectors, 39 at \$1,600 to \$2,100 per year	48,000 00
Inspector of property, 1 at \$2,100 per year	2,100 00
Inspector, medical, 1 at \$1,200 per year	500 00
Laborers, feeders, mechanics' assistants, etc., 419 at \$5 per day	630,000 00
Mechanics, 133 at \$5 to \$6 per day	240,000 00
Rodmen, 4 (6) at \$1,400 to \$1,600 per year	1,600 00
Subforemen, 22 at \$1,600 to \$2,100 per year	42,000 00
Supervisor of motor transportation, 1 at \$2,300 per year	2,300 00
Supervisor of permits, 1 at \$3,000 per year	3,000 00
Transitmen, 13 at \$1,700 to \$2,100 per year	9,000 00
Veterinary, 1 at \$3,000 per year	625 00
Yardmen, 5 at \$1,600 per year	5,500 00
	<u>\$1,180,407 45</u>

TEMPORARY \$25,000 00

UNASSIGNED \$15,000 00

Sanitary Service.

Division engineer, 1 at \$6,000 per year	\$6,000 00
Supervisor, 1 at \$4,000 per year	4,000 00

Public Works Department (Sanitary Service).

Chauffeur, head, 1 at \$2,000 per year	\$2,000 00
Chauffeurs, teamsters, laborers, 112 (135) at \$30 to \$33 per week	204,000 00
Clerks, 3 at \$1,600 per year	4,800 00
Clerk, 1 at \$1,300 per year	1,300 00
Constables, 2 (4) at \$1,600 per year	5,102 16
Engineer, senior, 1 at \$3,000 per year	3,000 00
Foremen, 25 at \$2,100 to \$2,500 per year	61,400 00
Inspectors, medical, 3 at \$1,200 per year	2,200 00
Inspectors, 79 at \$1,700 to \$2,100 per year	162,700 00
Laborers, feeders, etc., 878 (853) at \$5 per day	1,100,000 00
Mason, 1 at \$7 per day	2,191 00
Master blacksmith and wheelwright, 1 at \$2,100 per year	2,100 00
Mechanics and assistants, 60 at \$5.50 to \$6 per day	106,000 00
Storekeeper, 1 at \$1,800 per year	1,800 00
Telephone operator, 1 at \$1,600 per year	1,600 00
Veterinary, 1 at \$3,000 per year	2,250 00
Weigher, 1 at \$1,800 per year	1,800 00
Wharfinger, 1 at \$1,800 per year	1,800 00
Wharfingers, 2 at \$1,700 per year	3,400 00
Yardmaster, 1 at \$1,900 per year	1,900 00
Yardmen, 3 at \$1,600 to \$1,800 per year	5,000 00
	<u>\$1,686,343 16</u>
TEMPORARY	<u>\$100,000 00</u>
UNASSIGNED	<u>\$70,000 00</u>

Sewer Service.

Division engineer, 1 at \$6,000 per year	\$6,000 00
Chauffeurs, laborers, etc., 23 at \$5 to \$5.50 per day	28,000 00
Clerk and draftsman, 1 at \$3,000 per year	2,818 97
Clerk and conveyancer, 1 at \$2,300 per year	2,300 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerk, 1 at \$1,900 per year	1,900 00
Clerk, 1 at \$1,800 per year	1,800 00
Clerks, 2 at \$1,400 per year	2,800 00
Clerk, 1 at \$1,200 per year	1,200 00
Draftsmen, 2 at \$2,100 per year	3,000 00
Engineer of maintenance, 1 at \$3,500 per year	3,500 00
Engineers, assistant, 2 at \$2,800 to \$3,200 per year	5,500 00
Engineers, junior, 2 at \$2,200 to \$2,500 per year	4,000 00
Engineers, steam, 4 at \$48 per week	10,016 00
Engineer, steam, 1 at \$36 per week	1,878 00
Firemen, oilers, filth-hoistmen and gatemen, 34 at \$41.50 per week	70,000 00
Foremen, 5 at \$2,100 to \$2,700 per year	9,000 00
Inspector, chief, 1 at \$2,300 per year	600 00
Inspectors and subforemen, 24 at \$1,700 to \$2,200 per year	40,000 00
Laborers, 114 at \$5 per day	115,000 00
Masons, mechanics and electricians, 20 at \$7 per day	35,000 00
Mechanics, 10 at \$6 per day	13,000 00
Medical inspector, 1 at \$1,200 per year	100 00
Sewer cleaners, 30 at \$6 per day	52,416 00
Superintendent main drainage, 1 at \$3,600 per year	3,600 00
Transitmen, 8 at \$1,700 to \$2,100 per year	13,000 00

Public Works Department (Sewer Service).

Veterinary, 1 at \$3,000 per year	\$125 00
Yardmen, 2 at \$1,600 per year	3,200 00
	<u>\$431,853 97</u>

TEMPORARY \$14,000 00

UNASSIGNED \$18,000 00

REGISTRY DEPARTMENT.

City registrar, 1 at \$5,000 per year	\$5,000 00
City registrars, assistant, 2 at \$2,700 per year	5,400 00
Clerk, 1 at \$2,600 per year	2,600 00
Clerk, 1 at \$2,500 per year	2,500 00
Clerk, executive, 1 at \$2,300 per year	2,300 00
Clerk, 1 at \$2,000 per year	2,000 00
Clerk (cashier), 1 at \$1,700 per year	1,700 00
Clerks, 9 at \$1,700 per year	15,300 00
Clerks, 3 at \$1,600 per year	4,800 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerk, 1 at \$1,350 per year	1,350 00
Clerks, 2 at \$1,000 per year	2,000 00
	<u>\$46,450 00</u>

TEMPORARY \$700 00

SINKING FUNDS DEPARTMENT.

Secretary, 1 at \$700 per year	\$700 00
Treasurer, 1 at \$700 per year	700 00
Bookkeeper, 1 at \$1,300 per year	1,300 00
	<u>\$2,700 00</u>

SOLDIERS' RELIEF DEPARTMENT.

Commissioner, 1 at \$6,000 per year	\$6,000 00
Commissioner, deputy, 1 at \$3,000 per year	3,000 00
Chief clerk, 1 at \$2,000 per year	2,000 00
Chief clerk, assistant, 1 at \$1,900 per year	1,900 00
Clerk and assistant paymaster, 1 at \$1,700 per year	1,700 00
Clerk, settlement and stenographer, 1 at \$1,700 per year	1,700 00
Clerk and assistant paymaster, 1 at \$1,600 per year	1,600 00
Clerks and stenographers, 3 at \$1,600 per year	4,800 00
Clerk and stenographer, 1 at \$1,400 per year	1,400 00
Clerks and stenographers, 2 at \$1,300 per year	2,600 00
Clerk and stenographer, 1 at \$1,200 per year	1,200 00
Messenger (clerk), 1 at \$720 per year	720 00
Messenger, 1 at \$720 per year	428 11
Paymaster, 1 at \$1,900 per year	1,900 00
Settlement investigator, 1 at \$1,800 per year	1,800 00
Settlement investigator, 1 at \$1,700 per year	1,700 00
Settlement investigator, 1 at \$1,600 per year	1,600 00
Supervisor of visitors, 1 at \$2,500 per year	2,500 00
Supervisor of visitors, 1 at \$2,200 per year	2,200 00

Soldiers' Relief Department.

Supervisor, assistant, 1 at \$2,200 per year	\$2,200 00
Visitors, etc., 14 at \$1,600 to \$2,000 per year	25,600 00
	<u>\$68,548 11</u>

TEMPORARY	<u>\$3,500 00</u>
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STATISTICS DEPARTMENT.

Chairman, 1 at \$4,000 per year	\$4,000 00
Secretary, 1 at \$3,300 per year	3,300 00
Editor, 1 at \$2,800 per year	2,800 00
Editorial clerk, 1 at \$2,000 per year	2,000 00
Stenographers and clerks, 2 at \$1,600 per year	3,200 00
	<u>\$15,300 00</u>

STREET LAYING-OUT DEPARTMENT.

Chairman, 1 at \$7,000 per year	\$7,000 00
Commissioners, 2 at \$6,000 per year	12,000 00
Chief engineer, 1 at \$5,000 per year	5,000 00
Secretary, 1 at \$4,500 per year	4,500 00
Chief engineer, assistant, 1 at \$4,000 per year	4,000 00
Blueprinter, 1 at \$1,900 per year	1,900 00
Chief clerk-cashier, 1 at \$2,700 per year	2,700 00
Clerk-cashier, 1 at \$2,700 per year	2,700 00
Clerk, 1 at \$2,500 per year	2,500 00
Clerk, 1 at \$2,400 per year	2,400 00
Clerk-stenographer, 1 at \$2,400 per year	2,400 00
Clerk, 1 at \$2,200 per year	2,200 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerk, 1 at \$1,900 per year	1,900 00
Clerks, 2 at \$1,800 per year	3,600 00
Clerk, 1 at \$1,700 per year	1,700 00
Clerks, 3 (4) at \$1,600 per year	5,751 08
Constable-clerk, 1 at \$1,700 per year	1,700 00
Constables, 8 at \$1,600 per year	12,800 00
Conveyancer, 1 at \$2,200 per year	800 00
Conveyancer, 1 at \$2,000 per year	1,000 00
Conveyancers, 2 (3) at \$1,600 per year	3,000 00
Chief draftsman, 1 at \$2,900 per year	2,900 00
Designing draftsmen, 2 at \$2,500 per year	2,100 00
Draftsman, 1 at \$1,900 per year	1,900 00
Draftsman, 1 at \$1,800 per year	1,800 00
Draftsman, 1 at \$1,600 per year	1,600 00
Draftsman, 1 at \$1,500 per year	1,500 00
Inspector, 1 at \$2,000 per year	2,000 00
Junior draftsman, 1 at \$1,500 per year	1,500 00
Junior engineers, 4 at \$2,200 to \$2,500 per year	6,500 00
Laborers, 7 at \$1,600 per year	10,200 00
Land surveyor, 1 at \$2,500 per year	2,500 00
Messengers, 2 at \$1,700 per year	3,400 00
Messenger, 1 at \$1,400 per year	1,400 00
Rodmen, 2 at \$1,600 per year	2,700 00
Senior engineers, 13 at \$2,800 to \$3,200 per year	24,000 00
Stenographers, 2 at \$1,300 per year	2,600 00
Transitmen, 23 at \$1,700 to \$2,100 per year	35,000 00
	<u>\$187,251 08</u>

SUPPLY DEPARTMENT.

Superintendent of supplies, 1 at \$7,500 per year	\$7,500 00
Chief clerk, 1 at \$3,400 per year	3,400 00
Chauffeur, 1 at \$1,800 per year	1,800 00
Clerk, 1 at \$2,300 per year	2,300 00
Clerk and stenographer, 1 at \$1,800 per year	1,800 00
Clerks and stenographers, 6 at \$1,600 per year	9,600 00
Clerk and stenographer, 1 at \$1,600 (\$1,000) per year	1,000 00
Clerk and stenographer, 1 at \$1,400 per year	1,400 00
Clerk and stenographer, 1 at \$1,300 per year	1,300 00
Clerk and stenographer, 1 at \$1,400 (\$1,000) per year	900 00
Errand boy, 1 at \$1,000 per year	1,000 00
Inspector and weigher, 1 at \$2,600 per year	2,600 00
Inspector and weigher, 1 at \$2,400 per year	2,400 00
	<u>\$37,000 00</u>

TREASURY DEPARTMENT.

Treasurer, 1 at \$6,000 per year	\$6,000 00
Cashier, 1 at \$4,000 per year	4,000 00
Assistant cashier, 1 at \$3,500 per year	3,500 00
Assistant cashier, 1 at \$2,700 per year	2,700 00
Bookkeeper, 1 at \$2,400 per year	2,400 00
Bookkeeper, 1 at \$2,400 per year	1,426 93
Clerk, bond and interest, 1 at \$3,000 per year	3,000 00
Clerk and stenographer, 1 at \$2,400 per year	2,400 00
Clerk and paymaster, 1 at \$2,400 per year	2,400 00
Clerk, executive, 1 at \$2,000 per year	2,000 00
Clerk and stenographer, 1 at \$1,900 per year	1,900 00
Clerk, 1 at \$1,600 per year	1,600 00
Clerks, 2 at \$1,300 per year	2,600 00
Clerk and stenographer, 1 at \$1,000 per year	1,000 00
Paymasters, 5 at \$3,000 per year	15,000 00
Paymaster and pay roll clerk, 1 at \$2,400 per year	2,400 00
	<u>\$54,326 93</u>

TEMPORARY	<u>\$1,000 00</u>
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WEIGHTS AND MEASURES DEPARTMENT.

Sealer, 1 at \$4,500 per year	\$4,500 00
Chief clerk, 1 at \$2,800 per year	2,800 00
Chief deputy sealer, 1 at \$2,600 per year	2,000 00
Deputy sealers, 13 at \$1,600 to \$2,300 per year	27,200 00
Inspector, 1 at \$2,000 per year	2,000 00
Mechanician, 1 at \$2,200 per year	2,200 00
	<u>\$40,700 00</u>

COUNTY OF SUFFOLK.

SUFFOLK COUNTY COURTHOUSE, CUSTODIAN.

Superintendent, 1 at \$3,500 per year	\$3,500 00
Superintendent, assistant, 1 at \$45 per week	2,347 50
Cleaners, 15 at \$18 per week	14,085 00
Clerk, 1 at \$35 per week	1,825 83
Elevator operators, 9 at \$32 per week	15,023 97

Suffolk County Courthouse, Custodian.

Engineer, chief, 1 at \$52 per week	\$2,712 67
Engineers, 3 at \$45 to \$47 per week	7,146 83
Firemen and oiler, 11 at \$41.50 per week	23,814 12
Floor officer, 1 at \$40 per week	2,086 67
Forewoman (head cleaner), 1 at \$30 per week	1,565 00
Gateman, 1 at \$35 per week	1,825 83
Janitors, 23 at \$32 per week	38,394 59
Janitors and elevator reliefs, 2 at \$36 per week	3,756 00
Janitor and watchman, 1 at \$34 per week	1,773 67
Matrons, 2 at \$25 to \$27 per week	2,712 67
Mechanics, 11 at \$45 per week	25,822 50
Mechanic's helper, 1 at \$39 per week	2,034 50
Switchboard operator, 1 at \$38 per week	1,982 33
Switchboard operator, relief, 1 (0) at \$17 per week	359 83
Watchmen, 2 at \$34 per week	3,547 34
Watchmen, 11 at \$32 per week	18,362 63
	<u>\$174,679 48</u>

TEMPORARY \$1,300 00

UNASSIGNED \$100 00

COUNTY BUILDINGS.

Superintendent, deputy, 1 at \$4,000 per year	\$4,000 00
Cleaners, janitresses, etc., 16 at \$18 per week	14,700 00
Custodians, 6 at \$1,700 to \$2,000 per year	12,000 00
Firemen, 8 at \$41.50 per week	16,000 00
Janitors, laborers, etc., 17 at \$5 per day	26,000 00
Mechanics, etc., 2 at \$6 per day	3,756 00
	<u>\$76,456 00</u>

UNASSIGNED \$25 00

JAIL.

Jailer, 1 at \$1,000 per year	\$1,000 00
Chief officer (deputy jailer), 1 at \$3,500 per year	3,500 00
Chaplains, 2 at \$1,000 per year	2,000 00
Chaplain, 1 at \$400 per year	400 00
Chief clerk (assistant deputy jailer), 1 at \$2,500 per year	2,500 00
Clerk, 1 at \$2,200 per year	2,200 00
Clerk, 1 at \$2,000 per year	2,000 00
Dentist, 1 at \$1,000 per year	1,000 00
Electrician-officer, 1 at \$42 per week	2,191 00
Engineer in charge (engineer, chief), 1 at \$55 per week	2,869 17
Engineers, 3 at \$45 per week	7,042 50
Firemen, 2 at \$41.50 per week	4,329 84
Hospital supervisor, 1 at \$2,100 per year	2,100 00
Matron (chief), 1 at \$1,500 per year	1,500 00
Matron, assistant chief, 1 at \$1,200 per year	1,200 00
Matrons, assistant, 7 at \$800 to \$1,000 per year	6,700 00
Officer, first inside (chief officer), 1 at \$2,300 per year	2,300 00
Officers, inside (assistant chief), 3 at \$2,100 per year	6,300 00
Officer and mechanic, 1 at \$2,200 per year	2,200 00
Officers, 43 at \$1,800 to \$2,000 per year	84,500 00
Pharmacist, 1 at \$2,000 per year	2,000 00

Suffolk County Jail.

Physician, 1 at \$2,500 per year	\$2,500 00
Steward, 1 at \$2,100 per year	2,100 00
	<u>\$144,432 51</u>

SUPREME JUDICIAL COURT.

Clerk, 1 at \$5,300 per year	\$5,300 00
Clerk, assistant, 1 at \$4,420 per year	4,420 00
Clerk, second assistant, 1 at \$4,080 per year	4,080 00
Court officer-messenger, 1 at \$2,600 per year	2,600 00
Court officers, 5 at \$1,956 per year	9,780 00
Clerk, 1 at \$2,500 per year	2,500 00
Clerks, 2 at \$2,100 per year	4,200 00
Clerk, 1 at \$1,900 per year	1,900 00
Clerks, 8 at \$1,600 per year	12,800 00
	<u>\$47,580 00</u>

SUPERIOR COURT, CIVIL SESSION, GENERAL EXPENSES.

Clerk, 1 at \$6,800 per year	\$6,800 00
Clerk, assistant in equity, 1 at \$5,000 per year	5,000 00
Clerk, first assistant, 1 at \$4,420 per year	4,420 00
Clerks, assistant, 12 at \$4,080 per year	48,960 00
Clerical assistant, 1 at \$1,000 per year	1,000 00
Court officers, 42 at \$2,484 per year	104,328 00
Messenger and clerical assistant, 1 at \$3,000 per year	3,000 00
Sheriff, chief deputy, 1 at \$3,360 per year	3,360 00
Stenographers, 10 at \$3,500 per year	35,000 00
	<u>\$211,868 00</u>

TEMPORARY	<u>\$1,824 00</u>
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SUPERIOR COURT, CIVIL SESSION, CLERK'S OFFICE.

Clerical assistants, 2 at \$2,500 per year	\$5,000 00
Clerical assistant, 1 at \$2,400 per year	2,400 00
Clerical assistants, 2 at \$2,300 per year	4,600 00
Clerical assistant, 1 at \$2,150 per year	2,150 00
Clerical assistants, 2 at \$2,100 per year	4,200 00
Clerical assistant, 1 at \$2,050 per year	2,050 00
Clerical assistants, 4 at \$2,000 per year	8,000 00
Clerical assistants, 4 at \$1,900 per year	7,600 00
Clerical assistant, 1 at \$1,850 per year	1,850 00
Clerical assistants, 3 at \$1,800 per year	5,400 00
Clerical assistant, 1 at \$1,750 per year	1,750 00
Clerical assistants, 4 at \$1,700 per year	6,800 00
Clerical assistants, 41 at \$1,600 per year	65,400 00
Clerical assistants, 3 at \$1,550 per year	4,550 00
Clerical assistants, 6 at \$1,500 per year	9,000 00
Clerical assistants, 4 at \$1,400 per year	5,600 00
Record clerk and messenger, 1 at \$2,250 per year	2,250 00
	<u>\$138,600 00</u>

TEMPORARY	<u>\$2,000 00</u>
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SUPERIOR COURT, CRIMINAL SESSION.

Clerk, 1 at \$6,800 per year	\$6,800 00
Clerk, first assistant, 1 at \$4,420 per year	4,420 00
Clerks, assistant, 4 at \$4,080 per year	16,320 00
Clerks, 2 at \$2,500 per year	5,000 00
Clerk, 1 at \$2,300 per year	2,300 00
Clerk, 1 at \$2,200 per year	2,200 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerks, 2 at \$2,000 per year	4,000 00
Clerk, 1 at \$1,900 per year	1,900 00
Clerks, 3 at \$1,800 per year	5,400 00
Clerk, 1 at \$1,700 per year	1,700 00
Clerks, 6 at \$1,600 per year	9,600 00
Clerks, 4 at \$1,500 per year	6,000 00
Clerk, 1 at \$500 per year	500 00
Interpreters, 2 (1) at \$2,500 per year	2,500 00
Stenographers, 2 at \$3,500 per year	7,000 00

Probation Department.

Chief probation officer, 1 at \$5,750 per year	5,750 00
Probation officers, 2 at \$3,660 per year	7,320 00
Probation officers, 2 at \$3,360 per year	6,720 00
Probation officer, 1 at \$3,240 per year	3,240 00
Probation officer, 1 at \$3,110 per year	3,110 00
Probation officer, 1 at \$3,020 per year	3,020 00
Probation officers, 2 at \$3,000 per year	6,000 00
Probation officer, 1 at \$2,880 per year	2,880 00
Probation officer, 1 at \$2,760 per year	2,760 00
Probation officer, 1 at \$2,400 per year	2,400 00
Probation officer, 1 at \$2,280 per year	2,280 00
Probation officer, 1 at \$2,040 per year	2,040 00
Clerical assistant, 1 at \$1,600 per year	1,600 00
Clerical assistants, 6 at \$1,500 per year	9,000 00
Clerical assistants, 2 at \$1,200 per year	2,400 00
Clerical assistant, 1 at \$1,100 per year	1,100 00
Clerical assistant, 1 at \$800 per year	800 00

Office of District Attorney.

Bail bond clerk, 1 at \$2,300 per year	2,300 00
Chief stenographer and indictment clerk, 1 at \$3,000 per year	3,000 00
Clerks, 2 at \$1,500 per year	3,000 00
Court officers, 1 at \$2,840 per year	2,840 00
Court officers, 17 at \$2,484 per year	42,228 00
Messenger, 1 at \$1,900 per year	1,900 00
Office assistant, 1 at \$2,300 per year	2,300 00
Office assistant, 1 at \$2,000 per year	2,000 00
Secretary and chief clerk, 1 at \$4,000 per year	4,000 00
Stenographers, 2 at \$1,800 per year	3,600 00
Telephone operator, 1 at \$1,500 per year	1,500 00
Telephone operator and clerk, 1 at \$1,300 per year	772 83

\$209,600 83

TEMPORARY \$16,000 00

PROBATE COURT.

Court officer, 1 at \$2,640 per year	\$2,640 00
Court messenger, 1 at \$2,484 per year	2,484 00
Guardian ad litem and secretary, 1 at \$3,000 per year	3,000 00
	\$8,124 00

MUNICIPAL COURT, CITY OF BOSTON.

Chief justice, 1 at \$10,000 per year	\$10,000 00
Justices, associate, 8 at \$9,000 per year	72,000 00
Justices, special, 6 at \$25 per diem	12,000 00
Messenger, 1 at \$2,800 per year	2,800 00
Stenographer, 1 at \$2,600 per year	2,600 00

Civil Division.

Clerk, 1 at \$5,600 per year	5,600 00
Clerk, first assistant, 1 at \$3,920 per year	3,920 00
Clerks, assistant, 3 at \$3,360 per year	10,080 00
Clerks, assistant, 4 at \$2,800 per year	11,200 00
Clerks, assistant, 2 at \$2,400 per year	4,800 00
Clerical assistants	34,400 00
Court officers, 5 at \$2,484 per year	12,420 00
Interpreter, 1 at \$2,400 per year	2,400 00

Criminal Division.

Clerk, 1 at \$5,600 per year	5,600 00
Clerk, first assistant, 1 at \$3,920 per year	3,920 00
Clerks, assistant, 3 at \$3,360 per year	10,080 00
Clerks, assistant, 4 at \$2,800 per year	11,200 00
Clerical assistants	11,900 00
Chief court officer, 1 at \$2,800 per year	2,800 00
Court officer, assistant chief, 1 at \$2,584 per year	2,584 00
Court officers, 8 at 2,484 per year	19,872 00
Interpreter, 1 at \$2,600 per year	2,600 00
Interpreter, 1 at \$2,500 per year	2,500 00
Van drivers, 2 at \$1,800 per year	3,600 00

Probation Department.

Chief probation officer, 1 at \$5,600 per year	5,600 00
Probation officer, first assistant, 1 at \$3,200 per year	3,200 00
Probation officer, second assistant, 1 at \$3,000 per year	3,000 00
Probation officers, deputy (male), 2 at \$3,100 per year	6,200 00
Probation officers, deputy (female), 2 at \$2,600 per year	5,200 00
Probation officers (male), 15, at \$3,000 per year	45,000 00
Probation officers (female), 8 at \$2,500 per year	20,000 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerk, 1 at \$2,000 per year	2,000 00
Clerks, 2 at \$1,900 per year	3,800 00
Clerks, 6 at \$1,800 per year	10,800 00
Clerk, 1 at \$1,750 per year	1,750 00
Clerk, 1 at \$1,550 per year	1,550 00
Clerks, 3 at \$1,500 per year	4,500 00
Clerks, 1 at \$1,450 per year	1,450 00
Clerks, 3 at \$1,400 per year	4,200 00
Clerk, 1 at \$1,300 per year	1,300 00
Clerk, 1 at \$1,250 per year	1,250 00
Clerk, 1 at \$1,200 per year	1,200 00
Clerk, 1 at \$1,150 per year	1,150 00

Municipal Court, City of Boston.

Medical Department.

Medical director, 1 at \$3,250 per year	\$3,250 00
Medical director, assistant, 1 at \$2,500 per year	2,500 00
Clerk, 1 at \$1,650 per year	1,650 00

\$393,526 00

TEMPORARY \$2,000 00

MUNICIPAL COURT, CHARLESTOWN DISTRICT.

Justice, 1 at \$4,500 per year	\$4,500 00
Clerk, 1 at \$3,375 per year	3,375 00
Clerk, first assistant, 1 at \$2,531.25 per year	2,531 25
Clerk, second assistant, 1 at \$2,250 per year	2,250 00
Clerical assistant, 1 at \$1,900 per year	1,108 33
Court officers, 2 at \$2,000 per year	4,000 00
Probation officer, chief, 1 at \$2,900 per year	2,900 00
Probation officers, 2 at \$2,300 per year	4,600 00

\$25,264 58

TEMPORARY \$4,024 77

EAST BOSTON DISTRICT COURT.

Justice, 1 at \$4,200 per year	\$4,200 00
Clerk, 1 at \$3,150 per year	3,150 00
Clerk, assistant, 1 at \$2,362.50 per year	2,362 50
Clerk, second assistant, 1 at \$1,890 per year	1,890 00
Clerical assistant, 1 at \$5.50 per day	984 50
Court officers, 2 at \$2,000 per year	4,000 00
Interpreter, 1 at \$1,500 per year	1,500 00
Probation officer, 1 at \$2,900 per year	2,900 00
Probation officer, 1 at \$2,300 per year	2,300 00

\$23,287 00

TEMPORARY \$3,727 75

UNASSIGNED \$300 00

MUNICIPAL COURT, SOUTH BOSTON DISTRICT.

Justice, 1 at \$4,500 per year	\$4,500 00
Clerk, 1 at \$3,375 per year	3,375 00
Clerk, assistant, 1 at \$2,531.25 per year	2,531 25
Clerk, probation department, 1 at \$1,700 per year	1,700 00
Court officers, 2 at \$2,000 per year	4,000 00
Probation officer, 1 at \$2,500 per year	2,500 00
Probation officers, 2 at \$2,000 per year	4,000 00

\$22,606 25

TEMPORARY \$1,822 20

MUNICIPAL COURT, DORCHESTER DISTRICT.

Justice, 1 at \$6,000 per year	\$6,000 00
Clerk, 1 at \$4,500 per year	4,500 00
Clerk, assistant, 1 at \$3,375 per year	3,375 00
Clerk, second assistant, 1 at \$2,700 per year	2,700 00
Clerical assistant, 1 at \$1,400 per year	816 67
Clerical assistant, 1 at \$1,050 per year	612 50
Clerk, probation office, 1 at \$1,000 per year	1,000 00
Court officer, 1 at \$2,000 per year	2,000 00
Probation officer, 1 at \$3,500 per year	3,500 00
Probation officer, assistant, 1 at \$2,000 per year	2,000 00
	<u>\$26,504 17</u>
TEMPORARY	<u>\$5,027 93</u>

MUNICIPAL COURT, ROXBURY DISTRICT.

Justice, 1 at \$6,000 per year	\$6,000 00
Clerk, 1 at \$4,500 per year	4,500 00
Clerk, assistant, 1 at \$3,375 per year	3,375 00
Clerk, assistant, 1 at \$2,700 per year	2,700 00
Clerk, assistant, 1 at \$2,025 per year	2,025 00
Clerical assistants, 2 at \$1,500 per year	1,750 00
Clerical assistants, 2 at \$1,200 per year	1,400 00
Clerk, probation office, 1 at \$1,900 per year	1,900 00
Clerk, probation office, 1 at \$1,700 per year	1,700 00
Clerk, probation office, 1 at \$1,600 per year	1,600 00
Clerk, probation office, 1 at \$1,500 per year	1,500 00
Court officers, 4 at \$2,000 per year	8,000 00
Probation officer, chief, 1 at \$3,500 per year	3,500 00
Probation officer, assistant chief, 1 at \$3,000 per year	3,000 00
Probation officers, 6 at \$2,800 per year	16,800 00
Probation officers (female), 2 at \$2,500 per year	4,791 67
	<u>\$64,541 67</u>
TEMPORARY	<u>\$17,584 50</u>

MUNICIPAL COURT, WEST ROXBURY DISTRICT.

Justice, 1 at \$4,800 per year	\$4,800 00
Clerk, 1 at \$3,600 per year	3,600 00
Clerk, first assistant, 1 at \$2,700 per year	2,700 00
Clerk, second assistant, 1 at \$2,160 per year	2,160 00
Clerical assistant, 1 at \$5.50 per day	984 50
Clerk, probation office, 1 at \$1,200 per year	1,200 00
Court officers, 2 at \$2,000 per year	4,000 00
Probation officers, 2 at \$2,500 per year	5,000 00
	<u>\$24,444 50</u>
TEMPORARY	<u>\$6,272 30</u>

MUNICIPAL COURT, BRIGHTON DISTRICT.

Justice, 1 at \$3,600 per year	\$3,600 00
Clerk, 1 at \$2,700 per year	2,700 00
Clerk, assistant, 1 at \$2,025 per year	2,025 00

Municipal Court, Brighton District.

Clerk, probation office, 1 at \$1,400 per year	\$1,400 00
Court officer, 1 at \$2,000 per year	2,000 00
Probation officer, 1 at \$2,400 per year	2,400 00
	\$14,125 00
TEMPORARY	\$2,600 50

BOSTON JUVENILE COURT.

Justice, 1 at \$5,000 per year	\$5,000 00
Clerk, 1 at \$3,750 per year	3,750 00
Clerical assistant, 1 at \$1,900 per year	1,900 00
Clerical assistant, 1 at \$1,750 per year	1,750 00
Clerical assistant, 1 at \$1,200 per year	713 31
Probation officer, chief, 1 at \$2,900 per year	2,900 00
Probation officer, 1 at \$2,600 per year	2,600 00
Probation officer, 1 at \$2,500 per year	2,500 00
Probation officer (female), 1 at \$2,300 per year	2,300 00
	\$23,413 31
TEMPORARY	\$2,025 70

DISTRICT COURT OF CHELSEA.

Justice, 1 at \$4,200 per year	\$4,200 00
Clerk, 1 at \$3,150 per year	3,150 00
Clerk, assistant, 1 at \$2,362.50 per year	2,362 50
Clerical assistant, 1 at \$1,400 per year	816 67
Clerical assistant, 1 at \$1,300 per year	758 33
Court officers, 2 at \$2,200 per year	4,400 00
Janitress, 1 at \$900 per year	900 00
Probation officer, chief, 1 at \$2,700 per year	2,700 00
Probation officer, 1 at \$2,200 per year	2,200 00
Probation officer, 1 at \$1,500 per year	1,500 00
Probation officer, assistant to, 1 at \$1,600 per year	1,600 00
	\$24,587 50
TEMPORARY	\$7,533 90

REGISTRY OF DEEDS.

Register and assistant recorder, 1 at \$7,485.92 per year	\$7,485 92
Registers, assistant, 2 at \$3,900 per year	7,800 00
Attendants, coat room, 2 at \$1,200 per year	2,400 00
Chief clerk, 1 at \$2,800 per year	2,800 00
Clerk, 1 at \$2,400 per year	2,400 00
Clerk, 1 at \$2,300 per year	2,300 00
Clerks, 2 at \$2,200 per year	4,400 00
Clerk, 1 at \$2,100 per year	2,100 00
Clerks, 4 at \$2,000 per year	8,000 00
Clerks, 2 at \$1,900 per year	3,800 00
Clerks, 5 at \$1,800 per year	9,000 00
Clerks, 12 at \$1,700 per year	20,400 00
Clerks, 32 at \$1,600 per year	51,200 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerk, 1 at \$1,400 per year	1,400 00

Registry of Deeds.

Copyists, 27, piece work	\$29,000 00
Plan copyist, 1 at \$4 per plan	4,000 00
Reference maker, 1 at \$920 per year	920 00
Superintendent of work, 1 at \$2,300 per year	2,300 00
Telephone operator and clerk, 1 at \$1,500 per year	1,500 00

\$164,705 92

TEMPORARY \$13,000 00

UNASSIGNED \$7,000 00

INDEX COMMISSIONERS.

Superintendent, 1 at \$1,800 per year	\$1,800 00
First assistant, 1 at \$48 per week	2,504 00
Second assistant, 1 at \$44.50 per week	2,321 42
Copyist, 1 at \$29 per week	1,512 83
Copyist, 1 at \$27 per week	1,408 50
Copyist, 1 at \$25 per week	1,304 17
Copyists, 3 at \$19 per week	2,973 51
Copyists, 1 (2) at \$18 per week	1,497 00
Indexers, 3 (2) at \$37.50 per week	4,868 75
Stenographer, 1 at \$34 per week	1,773 67

\$21,963 85

TEMPORARY \$225 00

UNASSIGNED \$2,000 00

MEDICAL EXAMINER SERVICE, NORTHERN DIVISION.

Medical examiner, 1 at \$6,000 per year	\$6,000 00
Clerk, executive, 1 at \$2,400 per year	2,400 00
Clerical assistant, 1 at \$1,750 per year	1,750 00
Custodians, 2 at \$2,000 per year	4,000 00
Custodians, 2 at \$1,800 per year	3,600 00
Custodian, 1 at \$1,700 per year	1,700 00

\$19,450 00

TEMPORARY \$1,750 00

UNASSIGNED \$480 00

MEDICAL EXAMINER SERVICE, SOUTHERN DIVISION.

Medical examiner, 1 at \$6,000 per year	\$6,000 00
Chauffeur, 1 at \$1,900 per year	1,900 00
Secretary, 1 at \$1,500 per year	1,500 00
Stenographer, 1 at \$1,450 per year	1,450 00
Stenographer, 1 at \$1,300 per year	1,300 00

\$12,150 00

ASSOCIATE MEDICAL EXAMINER SERVICE, NORTHERN DIVISION.

Associate medical examiner, 1 at \$1,000 per year \$1,000 00

TEMPORARY \$330 00

ASSOCIATE MEDICAL EXAMINER SERVICE, SOUTHERN DIVISION.

Associate medical examiner, 1 at \$1,000 per year \$1,000 00

TEMPORARY \$300 00

MISCELLANEOUS EXPENSES (AUDITING DEPARTMENT).

County auditor, 1 at \$880 per year \$880 00

MISCELLANEOUS EXPENSES (BUDGET DEPARTMENT).

Clerk, 1 at \$1,200 per year \$713 31

TEMPORARY \$250 00

MISCELLANEOUS EXPENSES (COLLECTING DEPARTMENT).

Clerk, 1 at \$1,000 per year \$1,000 00

Clerk, 1 at \$400 per year 400 00

\$1,400 00

MISCELLANEOUS EXPENSES (SHERIFF).

Sheriff, 1 at \$3,000 per year \$3,000 00

MISCELLANEOUS EXPENSES (TREASURY DEPARTMENT).

County treasurer, 1 at \$880 per year \$880 00

Cashier, 1 at \$500 per year 500 00

Clerk, 1 at \$600 per year 600 00

Clerk, 1 at \$110 per year 110 00

County paymaster, 1 at \$3,600 per year 3,600 00

\$5,690 00

GRANITE AVENUE BRIDGE.

Drawtenders, 3 at \$1,700 per year \$2,550 00

TEMPORARY \$146 70

PENAL INSTITUTIONS DEPARTMENT.

Central Office.

Commissioner, 1 at \$6,000 per year \$6,000 00

Commissioner, deputy, 1 at \$3,500 per year 3,500 00

Clerk and stenographer, 1 at \$2,500 per year 2,500 00

Clerks and stenographers, 2 at \$1,700 per year 3,400 00

Penal Institutions Department (Central Office).

Clerks and stenographers, 2 at \$1,500 per year	\$3,000 00
Clerk and investigator, 1 at \$1,600 per year	1,600 00
Court officer and constable, 1 at \$2,200 per year	2,200 00
Officer and messenger, 1 at \$1,700 per year	1,700 00
Parole agent, 1 at \$2,100 per year	2,100 00
Parole agent and investigator, 1 at \$2,000 per year	2,000 00
Secretary, 1 at \$2,000 per year	2,000 00
Transportation officer, 1 at \$1,900 per year	1,900 00
Visitors, 2 at \$1,900 per year	3,800 00
	<u>\$35,700 00</u>

House of Correction.

Master, 1 at \$2,800 per year	\$2,800 00
Master, deputy, 1 at \$2,400 per year	2,400 00
Master, assistant deputy, 1 at \$2,000 per year	2,000 00
Masters, assistant deputy, 2 at \$1,900 per year	3,800 00
Chaplain, 1 at \$1,300 per year	1,300 00
Chaplain, 1 at \$800 per year	800 00
Chef, 1 at \$1,800 per year	1,070 12
Clerk, chief, 1 at \$1,950 per year	1,950 00
Clerk, 1 at \$1,700 per year	1,700 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerk, 1 at \$1,350 per year	1,350 00
Clerk, 1 at \$1,250 per year	1,250 00
Clerk, 1 at \$900 per year	900 00
Cooks, 2 at \$1,300 per year	2,600 00
Dentist, 1 at \$15 per day	780 00
Electrician, 1 at \$1,800 per year	1,800 00
Engineer, chief, 1 at \$2,200 per year	2,200 00
Engineers, 5 at \$45 per week	11,737 50
Firemen, 4 at \$41.50 per week	8,659 68
Matron and cook, 1 at \$1,300 per year	1,300 00
Matron and laundress, 1 at \$1,500 per year	1,500 00
Officers, 75 at \$1,300 to \$1,900 per year	118,000 00
Organist, 1 at \$900 per year	900 00
Organist, 1 at \$450 per year	450 00
Physician, 1 at \$2,500 per year	2,500 00
Religious instructor (chaplain), 1 at \$400 per year	400 00
School teacher, 1 at \$1,100 per year	1,100 00
Watchmen, 2 at \$5 per day	3,130 00
	<u>\$179,877 30</u>

TEMPORARY \$2,000 00

UNASSIGNED \$1,000 00

Steamer "Michael J. Perkins."

Captain, 1 at \$52 per week	\$2,712 67
Deckhands, 6 at \$31.50 per week	9,859 50
Engineer, chief, 1 at \$50 per week	2,608 33
Engineer, assistant, 1 at \$44 per week	2,295 33
Firemen and oiler, 4 at \$41.50 per week	8,659 68
Mate, 1 at \$47 per week	2,451 83
Mate, second, 1 at \$38 per week	1,982 33
Matron, 1 at \$22 per week	1,147 67

Penal Institutions Department (Steamer "Michael J. Perkins").

Watchmen-firemen, 2 at \$5.50 per day	\$3,443 00
Wharfinger, 1 at \$38 per week	1,982 33
	\$37,142 67

TEMPORARY	\$2,000 00

UNASSIGNED	\$600 00

PRINTING DEPARTMENT.

Office.

Superintendent, 1 at \$7,500 per year	\$7,500 00
Bookkeeper, 1 at \$2,500 per year	2,500 00
Clerk, 1 at \$1,900 per year	1,900 00
Clerk, 1 at \$35 per week	1,825 83
Clerk, 1 at \$1,600 per year	1,600 00
Clerk, 1 at \$1,500 per year	1,500 00
Clerk, 1 at \$1,200 per year	1,200 00
Stockman, 1 at \$2,700 per year	2,700 00
Telephone operator and clerk, 1 at \$1,300 per year	1,300 00

Composing Room.

Foreman, 1 at \$2,900 per year	2,900 00
Foreman, job composing room, 1 at \$2,700 per year	2,700 00
Foreman, assistant, 1 at \$2,700 per year	2,700 00
Apprentices, 4 (0) at \$33 per week	2,800 00
Apprentice, 1 at \$32 per week	1,669 82
Apprentice, 1 at \$31 per week	1,617 64
Apprentices, 2 at \$29 per week	3,026 54
Apprentices, 1 (2) at \$18 per week	1,876 54
Caster, 1 at \$48 per week	2,504 73
Caster runner, 1 at \$22 per week	682 00
Compositor, 1 at \$45 per week	2,348 18
Compositors, 3 at \$43.25 per week	6,770 58
Compositors, 30 (33) at \$42.25 per week	69,529 76
Copyholders, 4 at \$29 per week	6,053 04
Keyboard operators, 17 at \$42.25 per week	37,479 56
Linotype operator, 1 at \$45 per week	2,348 18
Linotype operator, 1 at \$44 per week	2,296 00
Monotype caster operator, 1 at \$42.25 per week	2,204 68
Monotype caster operator, 1 at \$38 per week	1,982 91
Proofreader, head, 1 at \$47 per week	2,452 55
Proofreader, 1 at \$44 per week	2,296 00
Proofreaders, 6 at \$42.25 per week	13,228 08

Press Room.

Foreman, 1 at \$2,900 per year	2,900 00
Foreman, assistant, 1 at \$2,700 per year	2,700 00
Apprentice, 1 (0) at \$39.50 per week	865 41
Apprentice, 1 at \$19 per week	991 45
Chauffeur, 1 at \$39 per week	2,035 09
Cutters, 2 (3) at \$43 per week	5,820 64
Errand boys and apprentices, 2 at \$15 per week	1,565 46
Errand boys and apprentices, 2 (3) at \$12 per week	1,535 29
Helper, 1 at \$32 per week	1,669 82
Helper, 1 at \$28 (\$25) per week	1,100 00
Pressmen, 5 at \$43.50 per week	11,349 55

Printing Department (Press Room).

Pressmen, job, 7 (8) at \$39.50 per week	\$16,489 44
Press feeders, 8 at \$37 per week	15,445 84
Press feeder, 1 at \$40 per week	2,087 27
Sheet stockman, 1 at \$40 per week	2,087 27
Shipper, 1 at \$39 per week	2,035 09

\$264,170 24

TEMPORARY \$5,000 00

UNASSIGNED \$4,000 00

CITY RECORD, PUBLICATION OF.

Editor, 1 at \$3,000 per year	\$3,000 00
Editor, associate, 1 at \$2,800 per year	2,800 00
	<u>\$5,800 00</u>

PUBLIC WORKS DEPARTMENT.**Water Division.**

Division engineer, 1 at \$6,000 per year	\$6,000 00
Chauffeurs, 15 (12) at \$5.50 per day	22,753 50
Clerks, executive, 2 at \$3,000 per year	6,000 00
Clerk, executive, 1 at \$2,500 per year	2,500 00
Clerk and cashier, 1 at \$3,000 per year	3,000 00
Clerk and assistant cashier, 1 at \$2,300 per year	2,300 00
Clerk, 1 at \$2,400 per year	2,400 00
Clerks, 6 at \$2,300 per year	13,800 00
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Clerks, 7 at \$2,000 per year	14,000 00
Clerks, 9 at \$1,900 per year	17,100 00
Clerks, 2 at \$1,800 per year	3,600 00
Clerks, 3 at \$1,600 per year	4,800 00
Clerks, 7 (6) at \$1,500 per year	9,000 00
Clerks, 5 (4) at \$1,400 per year	5,600 00
Clerks, 2 (4) at \$1,200 per year	4,800 00
Clerk, 1 at \$1,000 per year	1,000 00
Clerks, 2 (5) at \$900 per year	3,405 18
Constables, 14 at \$1,600 per year	22,400 00
Draftsmen, 2 at \$2,400 per year	4,800 00
Emergency men, 29 at \$5 to \$6 per day	56,465 00
Engineer in charge, 1 at \$4,000 per year	4,000 00
Engineers, district, 3 at \$3,300 per year	9,900 00
Engineer, senior, 1 at \$3,000 per year	3,000 00
Engineer, assistant to, 1 at \$2,200 per year	2,200 00
Foreman, general, 1 at \$2,700 per year	2,700 00
Foremen, 11 at \$2,200 to \$2,500 per year	26,900 00
Foreman, sub, 1 at \$2,100 per year	2,100 00
Inspector, chief, 1 at \$2,600 per year	2,600 00
Inspectors, 21 (19) at \$1,800 to \$2,300 per year	40,500 00
Inspectors, medical, 2 at \$1,200 per year	600 00
Investigator, 1 at \$2,300 per year	2,300 00
Laborers, stablemen, etc., 160 at \$5 per day	198,000 00
Machinist, master, 1 at \$2,400 per year	2,400 00
Machinist, assistant master, 1 at \$2,100 per year	2,100 00
Masons, 2 at \$7 per day	4,382 00
Mechanics, master, 4 (3) at \$2,000 per year	6,000 00

Public Works Department (Water Service).

Mechanics, 202 (205) at \$5.25 to \$6 per day	\$392,000 00
Meter inspectors and readers, 42 (38) at \$1,600 to \$1,900 per year	71,800 00
Patternmaker, 1 at \$2,100 per year	2,100 00
Superintendent, 1 at \$3,700 per year	3,700 00
Superintendent, deputy, 1 at \$3,500 per year	3,500 00
Switchboard operator, 1 at \$27 per week	1,408 50
Transitmen, 6 at \$2,100 per year	12,600 00
Yardman, 1 at \$1,600 per year	1,600 00
	<u>\$1,019,114 18</u>

TEMPORARY \$40,000 00

UNASSIGNED \$20,000 00

COLLECTING DEPARTMENT.

Water Division.

Clerk, water rates, 1 at \$3,000 per year	\$3,000 00
Clerks, 2 at \$2,100 per year	4,200 00
Clerks, 4 at \$1,900 per year	7,600 00
Clerk, 1 at \$1,700 per year	1,700 00
Clerks, 6 at \$1,600 per year	9,600 00
Clerks, 3 at \$1,500 per year	4,500 00
Clerks, 2 at \$1,300 per year	2,600 00
Clerks, 6 at \$1,100 per year	6,600 00
Clerks, 6 at \$1,000 per year	3,567 48
Constables, 3 at \$1,600 per year	4,800 00
Deputy collectors, 2 at \$2,400 per year	4,800 00
Stenographer, 1 at \$1,100 per year	1,100 00
Tellers, 2 at \$3,000 per year	6,000 00
Bookkeeper and clerk, 1 at \$900 per year	900 00
Clerk, 1 at \$600 per year	600 00
Teller, 1 at \$800 per year	800 00
	<u>\$62,367 48</u>

TEMPORARY \$1,000 00

UNASSIGNED \$5,000 00

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